

EPA REG. NO. 84374-1 (VOLUME 1)

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> Hi John
> See attached.
> -Matt
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> Matthew Brooks, Ph.D.  
> 703-266-0128 Phone  
> 703-266-4377 Fax  
> mwbrooks01@yahoo.com[attachment "Cert from for  
> duomax.pdf" deleted by  
> John Bazuin/DC/USEPA/US]
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Matthew Brooks, Ph.D.
703-266-0128 Phone
703-266-4377 Fax
mwbrooks01@yahoo.com



John Bazuin/DC/USEPA/US
03/27/2008 11:44 AM

To Matthew Brooks <mwbrooks01@yahoo.com>
cc
bcc
Subject Re: Revised cert form

Matt,

Attached is a PDF file containing the registration letter and accepted label for 84374-1. I decided that scanning those things might be the best way to get them to you. Please let me know if this works out well for you.

John Bazuin



84374-1.registration.letter.and.accepted.label.20080327.pdf

~~~~~  
Matthew Brooks <mwbrooks01@yahoo.com>



Matthew Brooks  
<mwbrooks01@yahoo.com>  
03/27/2008 09:40 AM

To John Bazuin/DC/USEPA/US@EPA, Tony  
Kish/DC/USEPA/US@EPA  
cc  
Subject Revised cert form

Hi John  
See attached.  
-Matt

Matthew Brooks, Ph.D.  
703-266-0128 Phone  
703-266-4377 Fax  
mwbrooks01@yahoo.com[attachment "Cert from for duomax.pdf" deleted by John  
Bazuin/DC/USEPA/US]



## U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505C)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

84374-1

Date of Issuance:

MAR 27 2008

## NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Duomax

Name and Address of Registrant (include ZIP Code):

*Green Trees and Plants II LLC*  
*250 Lawrence Street*  
*Marietta, Georgia 30060*

***Mailed to: Matthew Brooks/Ag-Chem Consulting, Agent for Green Trees and Plants, 12208 Quinke Lane, Clifton, VA 20124***

Noter: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA Section 4.

2. Make the following label changes before you release the product for shipment:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 84374-1."
- b. In the Ingredient Statement change "Cynamide" to "Cyanamide".

Signature of Approving Official:

Tony Kish, Product Manager (Team 22)  
Fungicide Branch, Registration Division (7505P)

Date:

MAR 27 2008

- c. In the Spanish-language sentence on page 1 change "etiquette" to "etiqueta".
- d. In the Spanish-language sentence on page 1 change "detaile" to "detalle".
- e. In the "NOTES:" component of the "FIRST AID" section change "National pesticide Information Center" to "National Pesticide Information Center". Also in the "If In Eyes", change "Help eye" to "Hold eye".
- f. In the fifth sentence in the "HAZARDS TO HUMANS AND DOMESTIC ANIMALS" section on the second page change "...avoid exposure to the material or its spray drift, some people may develop a sensitivity..." to "...avoid exposure to the material or its spray drift. Some people may develop a sensitivity...".
- g. On the second page change the heading "PERSONAL, PROTECTIVE EQUIPMENT" to "PERSONAL PROTECTIVE EQUIPMENT".
- h. In the fifth bulleted item after the heading "APPLICATORS AND OTHER HANDLERS MUST WEAR:" on the second page change "...for overhear exposure." to "...for overhead exposure."
- i. In the last sentence in the second bulleted item after the heading "ENGINEERING CONTROLS STATEMENTS:" on the second page change "...may be reduced for modified as specified..." to "...may be reduced or modified as specified...".
- j. Remove the lonesome bullet at the end of the "USER SAFETY RECOMMENDATIONS" section near the top of the third page. Also, in the "Environmental Hazards" section add the missing NPDES statement for containers > 5 gallons (see EPA label review manual).
- k. Move the "AGRICULTURAL USE REQUIREMENTS" section (still in a box) down into the "DIRECTIONS FOR USE" section, positioning it immediately after the one-sentence paragraph which reads "Do not apply this product through any type or irrigation."
- l. In the second bulleted item in the bottom half of the "AGRICULTURAL USE REQUIREMENTS" section change "Nitriel Rubber" to Nitrile Rubber".
- m. Change the start of the second sentence in the second paragraph after the "DIRECTIONS FOR USE" heading from "Dur4ing the application..." to "During the application...".
- n. In the first sentence in the second paragraph before the heading "EQUIPMENT CONTAMINATION" on the fourth page change "...plant growth regulator with will stimulate..." to "...plant growth regulator that will stimulate...".
- o. In the last sentence in the second paragraph before the heading "EQUIPMENT CONTAMINATION" on the fourth page change "...benefits and ow to avoid..." to "...benefits and how to avoid...".

- p. In the one-sentence immediately before the heading "EQUIPMENT CONTAMINATION" on the fourth page change "...at the time of Duomax application." to "...at the time of Duomax application."
- q. In the last sentence in the "POTENTIAL CROP LOSS" section on the fourth page change "...since sever damage and crop loss..." to "...since severe damage and crop loss..."
- r. Delete the second sentence in the second paragraph in the "SPRAY DRIFT" section (near the bottom of the fourth page). It reads "Do not exceed 40 psi for dilute boom sprayers and 100 psi for air fan sprayers, and spray only to wet." It is redundant to the previous sentence.
- s. In the first sentence in the "DORMANCY REQUIREMENTS" section on the fifth page change "To promote the maximum effective of Duomax..." to "To promote the maximum effectiveness of Duomax..."
- t. In the first sentence in the "ENVIRONMENTAL AND DISEASE STRESS" section on the fifth page change "...soils affect5ed by..." to "...soils affected by..."
- u. In the second sentence in the second sentence in the "CHERRIES" subsection on the sixth page change "polloination" to "pollination".
- v. In the second sentence in the second to last paragraph in the "DESERT GRAPES" subsection on the sixth page change "...susceptible to forst and..." to "...susceptible to frost and..."
- w. In the last sentence in the "NON-DESEART GRAPES" subsection on the seventh page change "...reduced yield is conditions..." to "...reduced yield if conditions..."
- x. In the last sentence in the "KIWI (California Only)" subsection on the seventh page change "...are susceptible to forst and may be killed..." to "...are susceptible to frost and may be killed..."
- y. In the first sentence in the "PEACHES/NECTARINES" subsection on the seventh page change "1-1.5\$ (v/v)" to "1-1.5% (v/v)".
- z. In the second sentence in first paragraph in the "PEACHES/NECTARINES" subsection on the seventh page change "...made 30 ore more days..." to "...made 30 or more days..."
- aa. In the third sentence in the first paragraph in the "PEACHES/NECTARINES" subsection on the seventh page change "...may resuld in reduced yield." to "may result in reduced yield."
- ab. In the last sentence in the third paragraph in the "PEACHES/NECTARINES" subsection near the bottom of the seventh page change "...based on a threshold temperatures of 43°F to 45°F)." to "...based on a threshold temperature of 43°F to 45°F)."

ac. In the "STORAGE AND DISPOSAL" section move the "PROHIBITIONS:" subsection up so that it immediately follows the "STORAGE AND DISPOSAL" heading.

ad. Change the name of the "STORAGE:" section to "PESTICIDE STORAGE:".

ae. In the "PROHIBITIONS:" subsection of the "STORAGE AND DISPOSAL" section move the sentence that reads "Open dumping is prohibited." to the "PESTICIDE DISPOSAL" subsection.

af. In the "PROHIBITIONS:" subsection of the "STORAGE AND DISPOSAL" section move the sentence that reads "Keep pesticide in original container." to the "PESTICIDE STORAGE" subsection.

ag. Change the first sentence in item 2. in the "CONDITION OF SALE " section to read as follows:

"To the extent allowed by law, because the time place, rate of application, weather conditions and normal or abnormal conditions of use or storage are beyond Green Trees and Plants' control, Green Trees and Plants' liability is limited to replacement of product or refund of purchase price."

ah. Change the second sentence in item 2. in the "CONDITION OF SALE " section to read as follows:

"To the extent allowed by law, in no event shall Green Trees and Plants be liable for indirect or consequential damages."

3. Submit, by no later than one year following the date of this letter, a study or studies that fulfill the requirements for Storage Stability (Guideline Requirement Number 830.6317) and Corrosion Characteristics (Guideline Requirement Number 830.6320) of the subject product.

4. Submit one copy of the revised final printed label for the Agency's records before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation, in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Attachments: Product label stamped "ACCEPTED with COMMENTS"  
Two Technical Review Branch reviews

**RESTRICTED USE PESTICIDE**  
Due to corrosive effects to eyes and skin.

For Retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certification.

A growth regulator for stimulating uniform budbreak:

**DUOMAX**

**ACTIVE INGREDIENT**

Hydrogen Cyanamide ..... 50.00%

**OTHER INGREDIENTS** ..... 50.00%

**TOTAL** ..... 100.00%

**BY WEIGHT**

50.00%

50.00%

100.00%

**4.3 LBS. ACTIVE INGREDIENT PER GALLON**

**KEEP OUT OF REACH OF CHILDREN**  
**ANGER - PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand this label, find someone to explain it to you in detail.)

**FIRST AID**

|                        |                                                                                                                                                                                                                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| If on skin or clothing | <ul style="list-style-type: none"><li>• Take off contaminated clothing</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call poison control center or doctor for treatment advice.</li></ul>                                                                                                                        |
| If inhaled             | <ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>                                                      |
| If in eyes             | <ul style="list-style-type: none"><li>• Help eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>                                                   |
| If swallowed           | <ul style="list-style-type: none"><li>• Call poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul> |

**NOTES:**

- Have the product container or label with you when calling a poison control center or doctor or going for treatment.
- In the event of a medical emergency, you may also contact the National pesticide Information Center at 1-800-858-7378.

**NOTE TO PHYSICIAN**

- Immediate lavage of stomach.
- Hydrogen cyanamide is not hydrogen cyanide and does not degrade to hydrogen cyanide. Do not induce vomiting or give anything by mouth to an unconscious person.

EPS REG No.

EPA EST. No

NET CONTENTS XX GALS.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
MAR 27 2008  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
84894-1



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER**

Corrosive, causes eye and skin damage. May be fatal if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe spray mist. If a skin rash develops as a result of exposure to DUOMAX, avoid exposure to the material or its spray drift, some people may develop a sensitivity to DUOMAX. Avoid contamination of food and feed.

**PERSONAL, PROTECTIVE EQUIPMENT**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on the EPA chemical resistance category selection chart.

**APPLICATORS AND OTHER HANDLERS MUST WEAR:**

- Chemical-resistant protective suit
- Chemical-resistant gloves such as Barrier Laminate, or Butyl rubber  $\geq 14$  mils, or Nitrile Rubber  $\geq 14$  mils, or Polyvinyl Chloride (PVC)  $\geq 14$  mils, or Vitron  $\geq 14$  mils.
- Chemical-resistant footwear plus socks
- Protective eyewear – persons who mix, load or transfer must wear goggles. A full-faced respirator may be substituted for goggles.
- Chemical-resistant headgear for overheard exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading
- A respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)

**USER SAFETY REQUIREMENTS:**

- No Alcoholic beverages. Do not consume alcoholic beverages prior to, during, and following (24 hours) handling this product.
- Dispose of Contaminated Clothing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with liquid from this product. Do not reuse them.
- Clean and maintain PPE: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Wash PPE after each day's use.

**ENGINEERING CONTROLS STATEMENTS:**

- Closed Systems: This product must be mixed, loaded, and transferred only in a closed system.
- Closed Systems and Enclosed Cab Requirements (if applicable): This product must be applied only with the applicator in an enclosed cab. The closed system and enclosed cab must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides {40 CFR 120.240(d)(4-6)}. The handler PPE requirements may be reduced for modified as specified in the WPS.
- The operating pressure of the spray rig shall be no more than 40 psi with the use of low pressure nozzles on dilute boom sprays and no more than 100 psi on airfan sprayers. Airfan sprayers should have the fan adjusted so that the spray mist does not greatly exceed the top of the vines being sprayed.

**USER SAFETY RECOMMENDATIONS**

**Users should:**

- Wash hands before eating drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Avoid contact with spray contaminated surfaces.
- 

**ENVIRONMENTAL HAZARDS:**

Do not apply this product to any area in which an endangered species has been identified or in such a manner that drift from applications of this product could result in destroying an endangered species. This limitation applies only to areas that have been identified by and are protected by State and Federal agencies. Do not apply closer than 300 yards to the mean high water mark for intertidal areas or closer than 300 yards to surface water. Do not apply to crops growing closer than 300 yards to rivers, streams, or their flowing tributaries. Do not contaminate water by the cleaning of equipment or disposal of equipment washwater or rinsate. Do not apply when weather conditions favor drift from treated areas or where runoff is likely to occur. Do not spray when bees are active in the field.

This chemical can contaminate surface water through ground spray applications. Under some conditions it may also have a high potential for runoff into surface water after applications. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters by vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water. This pesticide is highly toxic to freshwater invertebrates and moderately toxic to birds and mammals. Drift and runoff may be hazardous to aquatic organisms in neighboring areas.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 72 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Chemical-resistant protective suit
- Chemical-resistant gloves, such as Barrier Laminate, or Butyl Rubber  $\geq 14$  mils, or Nitrile Rubber  $\geq 14$  mils, or Neoprene Rubber  $\geq 14$  mils, or Polyvinyl Chloride (PVC)  $\geq 14$  mils, or Viton  $\geq 14$  mils.
- Chemical-resistant footwear plus socks
- Protective eyewear – persons who mix, load or transfer must wear goggles. A full-faced respirator may be substituted for goggles.

Chemical-resistant headgear for overhead exposure.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

## DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers or protected supervisors may be in the area during applications. During the application no person shall be within 100 yards of the area to be treated unless involved in application or mix/load operations. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Aerial application of Duomax is prohibited.

Do not apply this product through any type of irrigation system.

Duomax is a plant growth regulator which will stimulate more uniform budbreak on many deciduous plants. More uniform budbreak will occur in plants that have received their full chill hour requirement or somewhat less than their full dormancy. Promoting more uniform budbreak in the spring can have significant benefit in promoting more uniform flowering and more uniform maturity at harvest. The following provides directions on how to achieve these benefits and how to avoid possible difficulties in the use of Duomax.

This label must be in possession of the user at the time of Duomax application.

**EQUIPMENT CONTAMINATION** – Spray equipment used for Duomax application should be thoroughly cleaned of residual spray materials. Residual spray in the tank or sprayer plumbing may react with Duomax, potentially reducing the effective concentration of Duomax. Sprays containing metal ions, particularly copper, will form a black insoluble salt that will coat the sprayer and be difficult to remove. More importantly, this reaction will reduce the available active ingredient concentration.

**DORMANT SPRAY EFFECTIVENESS** – Early dormant sprays containing copper should not be followed by Duomax by less than 30 days or the effect of the copper spray may be reduced.

**DORMANT SPRAYS CONTAINING OIL** – Dormant sprays containing oil should not be made closer than 14 days before or after Duomax application (delayed dormant applications are preferred). Some new wood dieback may result if oil is applied closer than this interval. When oil and copper spray mixtures must be used for insect and/or disease control, Duomax should be applied 30 or more days before normal budbreak and the oil and/or copper spray should be made as a delayed dormant spray, which coincides with early budbreak. This practice will give three or more weeks separation.

**COVER CROPS** - When spraying Duomax in areas of vineyards or orchards with cover crops, injury may occur from spray applications to the target crop. This injury is usually temporary, but some crops may be sensitive and be defoliated. If there is concern about the cover crop, a test spray of a small area over the cover crop to test the plant sensitivity to Duomax using the intended surfactant is recommended.

**POTENTIAL CROP LOSS** – Users of Duomax are advised that drift to crops that are in bloom may completely remove or damage all of the flowers, resulting in complete crop loss. When spraying close to susceptible crops, for example, lemons, crops in bloom, sensitive foliage, etc., a buffer zone is suggested to be used. Extreme care must be used to avoid contact of the spray or drift with foliage, green stems, or fruit of desirable crops since severe damage and crop loss may result.

**SPRAY DRIFT** – Avoid spraying under conditions of a temperature inversion when drift hazard is increased. Coarse sprays are less likely to drift and are recommended to be used in Duomax applications. Do not use nozzles or nozzle configurations which promote fine spray droplets. Do not increase spray volume by increasing nozzle pressure, since this will increase the number of fine droplets in the spray. It is important to understand that the responsibility for control of spray drift is the responsibility of the person making the use recommendation, the applicator and the grower. Read the "Conditions of Sale" on the Duomax label before using this product. If the terms in the "Conditions of Sale" are not acceptable, return the product unopened at once.

To limit drift, use a coarse droplet nozzle with nozzle pressure not to exceed 40 psi for dilute boom sprayers and 100 psi for air fan sprayers, and spray only to wet. Do not exceed 40 psi for dilute boom sprayers and 100 psi for air fan sprayers, and spray only to wet. Do not exceed 4 gallons per acre of Duomax per application and make only one application per crop cycle. Do not tank mix with other materials except as listed on this label. If applied less than 30 days (35 to 40 days

for apples) prior to natural budbreak, yield may be reduced. Use the minimum spray volume to achieve adequate wetting of all buds. Do not use concentrate spray.

The use of Duomax may result in the formation of ethylene gas. When the Duomax is applied to grapes growing close to certain lemon varieties the ethylene gas may in turn result in some leaf drop in lemon leaves. This defoliation is characterized by the leaf lamina falling off leaving the leaf petiole still attached to the stem. Application of lime at 125 lbs. in 250-300 gal. water per acre (having a high pH, i.e. 10+), applied 2 to 24 hours after Duomax application, may result in reduced formation of ethylene gas. Again, control of spray drift is the responsibility of the person making the use recommendation, the applicator and the grower.

**PRECAUTIONS AGAINST USE OF DUOMAX AS A BLOSSOM THINNER** – Duomax is not to be used as a blossom thinner under any conditions because the outcome is unpredictable.

**FROST OCCURRENCE PRECAUTION** – For earlier than normal budbreak, make the application sooner than 30 days prior to normal budbreak. In determining whether or not to apply Duomax to promote earlier than normal budbreak, the user should be aware that growing buds and shoots are susceptible to frost and may be killed or damaged by freezing temperatures. Following application, some yellowing on the first leaves may appear but the developing growth will be normal.

**DORMANCY REQUIREMENTS** – To promote the maximum effectiveness of Duomax and to avoid phytotoxicity (i.e., new wood dieback, blossom thinning), deciduous crops must be completely dormant. Duomax is not a substitute for a lack of dormancy. Care should be taken to monitor dormancy. This is most easily accomplished by monitoring chill hour accumulation. **USER NOTE:** negative chill hour accumulation, climatologically induced incomplete dormancy must be considered, both to promote the effectiveness of Duomax at the recommended rates of application and to avoid phytotoxicity.

**ENVIRONMENTAL AND DISEASE STRESS** - Plants grown in heavy soils, or in other soils affected by poor drainage, or soil borne diseases, such as phytophthora root rot may die back as a result of treatment with Duomax. This is due to increased uniform budbreak and the inability of the plant to sustain growth. Plants usually appear healthy and begin to grow normally, then collapse. Plants designated for treatment with Duomax need a healthy, viable root system.

**SPRAY EQUIPMENT CALIBRATION** – When calibrating spray equipment, especially speed sprayers, it is critical that equipment be calibrated for the row spacing to be treated. Double spraying and excessive drift through the vineyard/orchard will result in phytotoxicity. Proper speed sprayer calibration and/or reduction of rate will provide a good result.

### **CROP RECOMMENDATIONS:**

**APPLES** – To promote more uniform budbreak, after all pruning activities are completed, apply a 4% (v/v) spray in not more than 200 gallons spray per acre using a nonionic surfactant not to exceed 0.5% (v/v), 30 days before normal budbreak, or 35 days before normal budbreak. In orchards having more than one variety, spray according to anticipated budbreak timing of the earliest variety in an interplanted orchard, unless each variety can be sprayed separately without significant drift or overspray contacting previously sprayed varieties or nontarget varieties. When budbreak begins to occur, the bloom period can be compressed to a few days depending upon the weather. In order to assure proper pollination, a sufficient number of beehives of suitable strength to assure adequate pollination must be set in the orchard before first blossom activity is observed. Artificial pollination may be advised when bee activity is limited. Increased budbreak uniformity will also facilitate chemical thinning of fruit and promote greater uniformity of fruit maturity at harvest.

Duomax is a budbreak stimulant and will promote more uniform normal and/or earlier budbreak even when the maximum chill hour requirements are met.

Duomax is not a substitute for chill hours, however, a 4% (v/v) spray will stimulate more uniform bud emergence following a minimum amount of chilling (approximately 375-500 chill hours based on the threshold temperature of 43°F to 45°F).

**BLUEBERRIES** – To promote more uniform budbreak, particularly in areas of marginal chilling, to reduce the period of fruit disease susceptibility and to promote more uniform harvest, use 1.5% (v/v) Duomax in 50 to 100 gallons of spray

per acre using a nonionic surfactant not to exceed 0.5% v/v with applications made 30 or more days prior to natural budbreak.

(In the State of Florida – use of Duomax in Alachua County, Florida is restricted from the area west of Route 441, except that north of the intersection of Route 441 and 175, use is also restricted west of 175 because of possible effects on the squirrel chimney cave shrimp *Palaemonetes cummingi*).

**CHERRIES** – For more uniform natural budbreak, or for earlier budbreak, leading to more uniform maturity or earlier maturity, apply after all pruning activities are complete, a 4% (v/v) spray in not more than 200 gallons of spray per acre using a nonionic surfactant not to exceed 0.5% v/v. If sufficient spray coverage cannot be achieved on very large trees with 200 gallons spray per acre, do not use Duomax. Applications should be made 30 or more days prior to normal budbreak. Spray applications should be made according to the anticipated budbreak timing required by the earliest variety within an interplanted orchard, unless each variety can be sprayed separately without significant drift or over-spray contacting previously sprayed varieties or non-target varieties. Maintain fungicide/bactericide spray activities, including dormant sprays, and protect bud growth as it occurs.

When budbreak begins to occur following application of Duomax, the bloom can be compressed to a few days, depending upon the weather. In order to assure proper pollination, a sufficient number of beehives of suitable strength to assure adequate pollination must be set in the orchard before first bloom activity is observed. Artificial pollination may be advised when bee activity is limited.

Duomax is a budbreak stimulant and will promote more uniform normal and/or earlier budbreak even when the maximum chill hour requirements are met. However, Duomax is not a substitute for chill hours. A 4% (v/v) spray will stimulate growth following a minimum amount of chilling (approximately 350-500 chill hours based on the threshold temperature of 43°F to 45°F).

**GRAPES – WINE AND RAISIN** – For promoting increased budbreak uniformity, and to promote more uniform harvest, apply a 4% spray in not more than 100 gallons per acre applied 30 or more days prior to normal natural budbreak. This use will help overcome blind bud disorder on such wine varieties as Cabernet Sauvignon. Low vigor vines may not be able to support the amount of budbreak and shoot growth that occurs as a result of Duomax use.

**DESERT GRAPES** – For use in desert grown grapes in California Counties of Imperial, Riverside and San Bernardino and in Arizona Counties of Maricopa, Pinal and Yuma.

To promote uniform budbreak apply Duomax as a 4% (v/v) solution in water using a nonionic surfactant not to exceed 0.5% v/v. prior to budbreak after all pruning activities are complete, including tying of canes. Use a coarse droplet spray with nozzle pressure not to exceed 40 psi. use a minimum number of spray nozzles to achieve adequate wetting. Three to four nozzles are usually sufficient.

Do not exceed 100 gallons of spray per acre and do not use more than 4 gallons Duomax per acre. Make only one application per crop cycle. Do not tank mix with other materials except as listed above. If applied less than four weeks prior to natural budbreak, yield may be reduced.

For earlier than normal budbreak, make the application earlier than 4 weeks prior to normal budbreak but not later than January 31 and not before December 1.

Some yellowing on the first leaves may appear but the developing growth will be normal. In determining to apply Duomax to promote earlier than normal budbreak, the user should be aware that growing buds and shoots are susceptible to frost and may be killed or damaged by freezing temperatures.

To avoid possible exposure to the endangered Coachella Valley fringe-toed lizard in the vineyards located within boundaries of the Coachella Valley Preserve, applications may not be made within 50 feet of the boundary of the Coachella Valley Preserve.

**NON-DESERT GRAPES** – For use in California Counties of Kern, Tulare, Fresno, and Madera.

To promote uniform budbreak apply Duomax as a 4% (v/v) solution in water using a nonionic surfactant not to exceed 0.5% v/v, prior to budbreak after all pruning activities are completed, including tying of canes. Use a coarse droplet spray with nozzle pressure not to exceed 40 psi, and a minimum number of spray nozzles to achieve adequate wetting.

Three to four nozzles are usually sufficient. Do not exceed 100 gallons of total spray per acre and do not use more than 4 gallons Duomax per acre. Make only one application per crop cycle. Do not tank mix with other materials except as listed above. If applied less than four weeks prior to natural budbreak, yield may be reduced.

For earlier than normal budbreak, make the application earlier than 4 weeks prior to normal budbreak but not later than February 28 and not before January 1.

Some yellowing on the first leaves may appear but the developing growth will be normal. In determining to apply Duomax to promote earlier than normal budbreak, the user should be aware that growing buds and shoots are susceptible to frost and may be killed or damaged by freezing temperatures.

In areas where chill hour accumulation is marginal, Duomax should be applied as late as possible to permit maximum chill hour accumulation, but not later than 25 days before budbreak. Duomax will be most effective using the 4% (v/v) spray solution after the vines have accumulated a minimum of 50 hours of chilling.

Low vigor and low capacity vines should not have Duomax applied any earlier than 30 days prior to anticipated normal budbreak. Vines treated too soon risk reduced yield in conditions affecting growth following application are not favorable for a sustained period.

**KIWI (California Only)** – To promote more uniform natural budbreak or earlier budbreak, particularly in areas of marginal chilling, to reduce the period of fruit susceptibility to disease, and to promote more uniform harvest, apply a 4% spray, making only one application per crop cycle, in not to exceed 100 gallons per acre. This application will also reduce the canes' susceptibility to apical dominance, therefore increasing bud fruitfulness. Do not tank mix with other materials except up to 0.5% (v/v) of a non-ionic surfactant. If applied less than four weeks prior to natural budbreak, yield may be reduced.

For earlier than normal budbreak, make the application earlier than four wks prior to normal budbreak.

To limit drift, use a coarse droplet nozzle, nozzle pressure must not exceed 40 psi, and spray to wet. Do not exceed 4 gallons per acre of Duomax per application.

Some yellowing on the first leaves may appear but the developing growth will be normal. In determining to apply Duomax to promote earlier than normal budbreak the user should be aware that growing buds and shoots are susceptible to frost and may be killed or damaged by freezing temperatures.

**PEACHES/NECTARINES** – (Not For Use in California) – For more uniform natural budbreak, or for earlier budbreak, leading to sharper bloom, more uniform maturity or earlier maturity, apply after all pruning activities are completed, use 1-1.5% (v/v) Duomax spray in not more than 200 gallons spray per acre using a nonionic surfactant not to exceed 0.5% v/v. Application should be made 30 or more days prior to normal budbreak. Application less than 30 days prior to normal budbreak may result in reduced yield. In some areas, it may be possible to use lower rates if it is possible to monitor closely the accumulation of chill hours. If rates are too low and made too close to normal budbreak no results may occur.

Spray according to the anticipated budbreak timing of the earliest variety within an interplanted orchard, unless each variety can be sprayed separately without significant drift or overspray contacting previously sprayed varieties or nontarget varieties. If handgun spray applications are used, care must be taken not to over wet the lower portions of the tree because reduced fruitfulness will occur in the lower part of the tree as a result of phytotoxicity from increased spray dripping from the top of the tree. More uniform spray applications occur from speed sprayer treatment, resulting in more uniform distribution of material through the tree.

Duomax is a budbreak stimulant and will promote more uniform and/or earlier budbreak even when maximum chill hour requirements are met. However, Duomax is not a substitute for chill hours. A 1.5% (v/v) spray will stimulate growth following a minimum amount of chilling (approximately 300-500 chill hours based on a threshold temperatures of 43°F to 45°F).

Duomax use on any orchard historically damaged by frost, such as in Southeastern states must be done with the knowledge that Duomax treated trees are equally as frost sensitive as non-treated trees. If Duomax is used to start growth even a few days early, resulting flowers and/or fruit can be subject to frost damage.

**Note to User:** Application at rates in excess of those stated above may reduce emergence of primary buds, causing secondary bud growth which can reduce yield in the immediate crop cycle.

#### **STORAGE AND DISPOSAL**

**STORAGE:** Keep under cool conditions, not to exceed 20°C (68°F). Do not store in direct sunlight.

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Keep pesticide in original container

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### **CONDITION OF SALE**

1. Green Trees and Plants II LLC. warrants that this product consists of the ingredients specified and is reasonably fit for the purpose stated on this label when used in accordance with the directions under normal conditions of use. No one other than an officer of Green Plants and Trees II LLC. is authorized (and such authorization must be in writing) to make any other warranty, guarantee or direction concerning this product.
2. Because the time, place, rate of application, weather conditions and normal or abnormal conditions of use or storage are beyond Green Trees and Plant's control, Green Trees and Plant's liability is limited to replacement of product or refund of purchase price. In no event shall Green Trees and Plants be liable for indirect or consequential damages.

**MANUFACTURED FOR**  
**Green Trees and Plants II LLC.**  
250 Lawrence St.  
Marietta GA 30060



Matthew Brooks  
<mwbrooks01@yahoo.com>  
03/27/2008 09:40 AM

To John Bazuin/DC/USEPA/US@EPA, Tony  
Kish/DC/USEPA/US@EPA

cc

bcc

Subject Revised cert form

Hi John  
See attached.  
-Matt


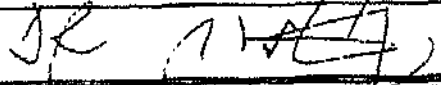
Matthew Brooks, Ph.D.  
703-266-0128 Phone  
703-266-4377 Fax



mwbrooks01@yahoo.com Cert from for duomax.pdf

1.5



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>UNITED STATES ENVIRONMENTAL PROTECTION AGENCY</b><br>401 M Street, S.W.<br>WASHINGTON, D.C. 20460                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                                                                                                                                                                                                                             |
| <p><b>Paperwork Reduction Act Notice:</b> The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.</p>                                                                                                                                                                                          |                 |                                                                                                                                                                                                                                             |
| <p align="center"><b>Certification with Respect to Citation of Data</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                                                                                                                                                                                                                                             |
| Applicant's/Registrant's Name, Address, and Telephone Number<br>Green Trees and Plants II LLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | EPA Registration Number/File Symbol<br>84374-R                                                                                                                                                                                              |
| Active Ingredient(s) and/or representative test compound(s)<br>Hydrogen Cyanamide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 | Date<br>1/16/08                                                                                                                                                                                                                             |
| General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158)<br>Terrestrial Food                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 | Product Name<br>Duomax                                                                                                                                                                                                                      |
| <p><b>NOTE:</b> If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                                                                                                                                                                                                                             |
| <input type="checkbox"/> I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                                                                                                                                                                                                                                             |
| <p align="center"><b>SECTION I: METHOD OF DATA SUPPORT (Check one method only)</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                                                                                                                                                                                                                             |
| <input type="checkbox"/> I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | <input checked="" type="checkbox"/> I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used). |
| <p align="center"><b>SECTION II: GENERAL OFFER TO PAY</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                                                                                                                                                                                                                                             |
| <p>(Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                                                                                                                                                                                                                                             |
| <input type="checkbox"/> I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                                                                                                                                                                                                                                             |
| <p align="center"><b>SECTION III: CERTIFICATION</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |                                                                                                                                                                                                                                             |
| <p>I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.</p> |                 |                                                                                                                                                                                                                                             |
| <p>I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |                                                                                                                                                                                                                                             |
| <p>I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (f) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.</p>                                                                                                                            |                 |                                                                                                                                                                                                                                             |
| <p>I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.</p>                                                                                                                                                                                                                                                                                                                                                                           |                 |                                                                                                                                                                                                                                             |
| <p>I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                                                                                                                                                                                                                             |
| Signature<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Date<br>3/25/08 | Typed or Printed Name and Title<br>Dennis Kristof, President                                                                                                                                                                                |

Form Approved OMB No. 2070-0080



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

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**Certification with Respect to Citation of Data**

|                                                                                                            |                                                |
|------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Applicant's/Registrant's Name, Address, and Telephone Number<br>Green Trees and Plants II LLC              | EPA Registration Number/File Symbol<br>84374-R |
| Active ingredient(s) and/or representative test compound(s)<br>Hydrogen Cyanamide                          | Date<br>1/18/08                                |
| General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158)<br>Terrestrial Food | Product Name<br>Duomax                         |

**NOTE:** If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

**SECTION I: METHOD OF DATA SUPPORT (Check one method only)**

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

**SECTION II: GENERAL OFFER TO PAY**

(Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements)

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

**SECTION III: CERTIFICATION**

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that: (1) concern the properties or effects of this product or an identical or substantially similar product; or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (f) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (f) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

|               |                 |                                                              |
|---------------|-----------------|--------------------------------------------------------------|
| Signature<br> | Date<br>3/25/08 | Typed or Printed Name and Title<br>Dennis Kristof, President |
|---------------|-----------------|--------------------------------------------------------------|



Matthew Brooks  
<mwbrooks01@yahoo.com>  
03/27/2008 09:40 AM

To John Bazuin/DC/USEPA/US@EPA, Tony  
Kish/DC/USEPA/US@EPA

cc

bcc

Subject Revised cert form

Hi John  
See attached.  
-Matt

Matthew Brooks, Ph.D.  
703-266-0128 Phone  
703-266-4377 Fax



mwbrooks01@yahoo.com Cert from Jor duomax.pdf



Matthew Brooks  
<mwbrooks01@yahoo.com>  
03/26/2008 08:31 AM

To John Bazuin/DC/USEPA/US@EPA  
cc Tony Kish/DC/USEPA/US@EPA  
bcc  
Subject Duomax revised matrix and cert form

Hi John

see attached- mailed cert letter to trostberg today.  
-Matt


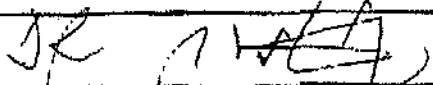
Matthew Brooks, Ph.D.  
703-266-0128 Phone  
703-266-4377 Fax



mwbrooks01@yahoo.com citation certification.pdf DuoMax Data Matrix.pdf DuoMax Public Data Matrix.pdf

Cell: 703-489-7729

Form Approved OMB No. 2070-0080

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|  <b>UNITED STATES ENVIRONMENTAL PROTECTION AGENCY</b><br><b>401 M Street, S.W.</b><br><b>WASHINGTON, D.C. 20460</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                                                                                                                                                                                                                                            |
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| Applicant's/Registrant's Name, Address, and Telephone Number<br>Green Trees and Plants II LLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | EPA Registration Number/File Symbol<br>84374-R                                                                                                                                                                                             |
| Active Ingredient(s) and/or representative test compound(s)<br>Hydrogen Cyanamide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 | Date<br>1/18/08                                                                                                                                                                                                                            |
| General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158)<br>Terrestrial Food                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 | Product Name<br>Duomax                                                                                                                                                                                                                     |
| <p><b>NOTE:</b> If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                                                                                                                                                                                                                            |
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| <p align="center"><b>SECTION II: GENERAL OFFER TO PAY</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                                                                                                                                                                                                                                            |
| <p>(Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements)</p> <input checked="" type="checkbox"/> I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                                                                                                                                                                                                                                            |
| <p align="center"><b>SECTION III: CERTIFICATION</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |                                                                                                                                                                                                                                            |
| <p>I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.</p> |                 |                                                                                                                                                                                                                                            |
| <p>I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |                                                                                                                                                                                                                                            |
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| Signature<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Date<br>3/25/08 | Typed or Printed Name and Title<br>Dennis Kristof, President                                                                                                                                                                               |

EPA Form 8570-34 (9-97) Electronic and Paper versions available. Submit only Paper version.

20



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
401 M Street, S.W.  
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date March 25, 2008

EPA Reg No./File Symbol 84374-R

Page 1 of 16

Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC 12208 Quince Lane Clifton VA 20124

Product

DuoMax

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name      | MRID Number | Submitter              | Status | Note |
|----------------------------|---------------------------|-------------|------------------------|--------|------|
| 81-1                       | Acute Oral Tox-rat        | 00069487    | SEE 54555              | Old    |      |
| 81-1                       | Acute Oral Tox-Rat        | 00110395    | BASF Corporation       | Old    |      |
| 81-1                       | Acute Oral Tox-Rat        | 00148021    | Alzchem Trostberg GMBH | Old    |      |
| 81-2                       | Acute Dermal Tox-rat      | 00043347    | BASF Corporation       | Old    |      |
| 81-2                       | Acute Dermal Tox-rat      | 00110395    | BASF Corporation       | Old    |      |
| 81-2                       | Acute Dermal Tox-rat      | 41288801    | Alzchem Trostberg GMBH | Old    |      |
| 81-3                       | Acute Inhalation Tox-Rat  | 00069488    | SEE 54555              | Old    |      |
| 81-3                       | Acute Inhalation Tox-Rat  | 00148023    | Alzchem Trostberg GMBH | Old    |      |
| 81-4                       | Primary Eye Irritation    | 00043347    | BASF Corporation       | Old    |      |
| 81-4                       | Primary Eye Irritation    | 00104220    | BASF Corporation       | Old    |      |
| 81-4                       | Primary Eye Irritation    | 00110395    | BASF Corporation       | Old    |      |
| 81-5                       | Primary Dermal Irritation | 00104220    | BASF Corporation       | Old    |      |
| 81-5                       | Primary Dermal Irritation | 00148025    | Alzchem Trostberg GMBH | Old    |      |
| 81-8                       | Dermal Sensitization      | 00148026    | Alzchem Trostberg GMBH | Old    |      |
| 81-6                       | Dermal Sensitization      | 41288807    | Alzchem Trostberg GMBH | Old    |      |

Signature

Name and Title

Dr. Matthew Brooks, Director

Date

3/25/08



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Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC 12208 Quinque Lane, Clifton VA 20124

Product

Duo Max

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name                 | MRID Number | Submitter              | Status | Note |
|----------------------------|--------------------------------------|-------------|------------------------|--------|------|
| 82-1                       | 90 Day Feeding                       | 00043347    | BASF Corporation       | Old    |      |
| 82-1                       | 28 Day Rangefinding- Oral Feeding    | 00069491    | SEE 54555              | Old    |      |
| 82-1                       | 90 Day Feeding-Rat                   | 00069492    | SEE 54555              | Old    |      |
| 82-1                       | 90 Day Feeding-Rat                   | 00110395    | BASF Corporation       | Old    |      |
| 82-1                       | 28 Day Rangefinding- Oral Feeding    | 00148027    | Alzchem Trostberg GMBH | Old    |      |
| 82-1                       | 90 Day Feeding-Rat                   | 00148028    | Alzchem Trostberg GMBH | Old    |      |
| 82-1                       | 90 Day Feeding-Dog                   | 00148029    | Alzchem Trostberg GMBH | Old    |      |
| 82-1                       | 90 Day Feeding-Dog                   | 41390501    | Alzchem Trostberg GMBH | Old    |      |
| 82-1                       | 28 Day Repeated Oral Dose            | 42202902    | Alzchem Trostberg GMBH | Old    |      |
| 83-1                       | Chronic Feeding Study - Dog          | 41288802    | Alzchem Trostberg GMBH | Old    |      |
| 83-1                       | Chronic Feeding Study - Mouse        | 41288803    | Alzchem Trostberg GMBH | Old    |      |
| 83-1                       | Chronic Feeding Study - Rat          | 41288804    | Alzchem Trostberg GMBH | Old    |      |
| 83-1                       | Chronic Feeding Study - Rat          | 41504003    | Alzchem Trostberg GMBH | Old    |      |
| 83-1                       | Chronic Feeding Study - Rat          | 42178404    | Alzchem Trostberg GMBH | Old    |      |
| 83-1                       | 104 Week Carcinogenicity Study-Mouse | 41566502    | Alzchem Trostberg GMBH | Old    |      |

Signature

Name and Title

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Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC 12208 Quinque Lane, Clifton VA 20124

Product

DuoMax

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name                            | MRID Number | Submitter              | Status | Note |
|----------------------------|-------------------------------------------------|-------------|------------------------|--------|------|
| 84-2                       | Mutagenicity                                    | 00148033    | Alzchem Trostberg GMBH | Old    |      |
| 84-2                       | Chomosomal Aberration                           | 00148034    | Alzchem Trostberg GMBH | Old    |      |
| 84-2                       | Chromosomal Aberration                          | 00148035    | Alzchem Trostberg GMBH | Old    |      |
| 84-2                       | Mutagenicity                                    | 00148036    | Alzchem Trostberg GMBH | Old    |      |
| 84-2                       | Chomosomal Aberration                           | 40389607    | Alzchem Trostberg GMBH | Old    |      |
| 84-2                       | Salmonella Mutation Assay                       | 40389608    | Alzchem Trostberg GMBH | Old    |      |
| 84-2                       | Cytogenetic Assay                               | 40389609    | Alzchem Trostberg GMBH | Old    |      |
| 84-2                       | Mouse Micronucleus Assay                        | 40389610    | Alzchem Trostberg GMBH | Old    |      |
|                            |                                                 |             |                        |        |      |
| 85-1                       | General Metabolism                              | 00148037    | Alzchem Trostberg GMBH | Old    |      |
| 85-f                       | General Met of Hydrogen Cyanamide-Rat and Human | 40748702    | Alzchem Trostberg GMBH | Old    |      |
| 85-f                       | General Metabolism                              | 42178407    | Alzchem Trostberg GMBH | Old    |      |
|                            |                                                 |             |                        |        |      |
| 85-3                       | Dermal Absorption of 14C-Cyanamide In Rat       | 41504004    | Alzchem Trostberg GMBH | Old    |      |
|                            |                                                 |             |                        |        |      |

Signature

Name and Title

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Date

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Applicant's/Registrant's Name & Address  
Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124

Product  
DuoMax

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name                    | MRID Number | Submitter              | Status | Note |
|----------------------------|-----------------------------------------|-------------|------------------------|--------|------|
| 83-2                       | Oncogenicity                            | 00148030    | Alzchem Trostberg GMBH | Old    |      |
| 83-2                       | 80 Week Carcinogenicity                 | 41390502    | Alzchem Trostberg GMBH | Old    |      |
| 83-2                       | 104 Week Oral Carcinogenicity Study     | 41566502    | Alzchem Trostberg GMBH | Old    |      |
| 83-2                       | 104 Week Oral Carcinogenicity Study     | 42178405    | Alzchem Trostberg GMBH | Old    |      |
| 83-3                       | Embryotoxicity/Teratogenicity           | 00148031    | Alzchem Trostberg GMBH | Old    |      |
| 83-3                       | Embryotoxicity/Teratogenicity           | 41288805    | Alzchem Trostberg GMBH | Old    |      |
| 83-3                       | Rat Teratology                          | 41288806    | Alzchem Trostberg GMBH | Old    |      |
| 83-4                       | Two Generation Reproduction-Rat         | 40389602    | Alzchem Trostberg GMBH | Old    |      |
| 83-4                       | Spontaneous Malformations-Rat           | 40389603    | Alzchem Trostberg GMBH | Old    |      |
| 83-4                       | Incidences of Tumors                    | 40389604    | Alzchem Trostberg GMBH | Old    |      |
| 83-4                       | Background Pathology-3 month study-Rat  | 40389605    | Alzchem Trostberg GMBH | Old    |      |
| 83-4                       | Background Pathology-12 Month Study-Rat | 40389606    | Alzchem Trostberg GMBH | Old    |      |
| 83-4                       | Background Pathology-24 month study-Rat | 40436101    | Alzchem Trostberg GMBH | Old    |      |
| 83-4                       | Two Generation Reproduction-Rat         | 41566504    | Alzchem Trostberg GMBH | Old    |      |
|                            |                                         |             |                        |        |      |

Signature  Name and Title  
Or. Matthew Brooks, Director Date  
3/25/08



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Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124

Product

DuoMax

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name                | MRID Number | Submitter              | Status | Note |
|----------------------------|-------------------------------------|-------------|------------------------|--------|------|
| 71-1                       | Avian Acute Oral- Bobwhite Quail    | 00153783    | Alzchem Trostberg GMBH | Old    |      |
| 71-1                       | Avian Acute Oral- Mallard           | 00153784    | Alzchem Trostberg GMBH | Old    |      |
| 71-2                       | Avian Dietary LC50-Bobwhite Quail   | 00153785    | Alzchem Trostberg GMBH | Old    |      |
| 71-2                       | Avian Dietary LC50-Mallard          | 42178401    | Alzchem Trostberg GMBH | Old    |      |
| 71-2                       | Avian Dietary LC50-Bobwhite Quail   | 42178402    | Alzchem Trostberg GMBH | Old    |      |
|                            |                                     |             |                        |        |      |
| 72-1                       | Acute Toxicity- Rainbow Trout       | 00148043    | Alzchem Trostberg GMBH | Old    |      |
| 72-1                       | Acute Tox-Fish                      | 00148044    | Alzchem Trostberg GMBH | Old    |      |
| 72-2                       | Acute Tox- Daphnia                  | 00148046    | Alzchem Trostberg GMBH | Old    |      |
| 72-1                       | Acute Tox- Bluegill                 | 00153786    | Alzchem Trostberg GMBH | Old    |      |
| 72-4                       | Early Life Stage-Trout              | 44076701    | Alzchem Trostberg GMBH | PAY    |      |
| 72-4                       | Chronic Toxicity to Daphnia         | 44076702    | Alzchem Trostberg GMBH | PAY    |      |
| 72-3                       | 96hr Flow-Through Sheepshead Minnow | 44804702    | Alzchem Trostberg GMBH | PAY    |      |
| 72-3                       | 96hr Shell Deposition               | 44804704    | Alzchem Trostberg GMBH | PAY    |      |
| 72-3                       | 96 hr acute tox w/saltwater mysid   | 44804703    | Alzchem Trostberg GMBH | PAY    |      |

Signature

Name and Title

Dr. Matthew Brooks, Director

Date

3/25/08



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| Applicant's/Registrant's Name & Address<br>Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124 | Product<br>DuoMax               |              |

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name      | MRID Number | Submitter              | Status | Note |
|----------------------------|---------------------------|-------------|------------------------|--------|------|
| t61-1                      | Hydrolysis                | 00148017    | Alzchem Trostberg GMBH | Old    |      |
| 161-2                      | Photodegradation in water | 42178409    | Alzchem Trostberg GMBH | Old    |      |
| 162-1                      | Aerobic Soil Metabolism   | 00148013    | Alzchem Trostberg GMBH | Old    |      |
| 162-1                      | Aerobic Soil Metabolism   | 00148014    | Alzchem Trostberg GMBH | Old    |      |
| 162-1                      | Aerobic Soil Metabolism   | 4 t566505   | Alzchem Trostberg GMBH | Old    |      |
| 162-1                      | Aerobic Soil Metabolism   | 42178410    | Alzchem Trostberg GMBH | Old    |      |
| 162-1                      | Aerobic Soil Metabolism   | 42178411    | Alzchem Trostberg GMBH | Old    |      |
| 162-t                      | Aerobic Soil Metabolism   | 00148016    | Alzchem Trostberg GMBH | Old    |      |
| 162-1                      | Aerobic Soil Metabolism   | 42211201    | Alzchem Trostberg GMBH | Old    |      |
| 162-1                      | Aerobic Soil Metabolism   | 42211202    | Alzchem Trostberg GMBH | Old    |      |
| 162-2                      | Anaerobic Soil Metabolism | 41390503    | Alzchem Trostberg GMBH | Old    |      |
| 162-2                      | Anaerobic Soil Metabolism | 42178412    | Alzchem Trostberg GMBH | Old    |      |
| 162-2                      | Anaerobic Soil Metabolism | 42178413    | Alzchem Trostberg GMBH | Old    |      |
| 162-2                      | Anaerobic Soil Metabolism | 42211203    | Alzchem Trostberg GMBH | Old    |      |
|                            |                           |             |                        |        |      |

|                                                                                                  |                                                |                 |
|--------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------|
| Signature<br> | Name and Title<br>Dr. Matthew Brooks, Director | Date<br>3/25/08 |
|--------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------|



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Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124

Product

DuoMax

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name                            | MRID Number | Submitter              | Status | Note |
|----------------------------|-------------------------------------------------|-------------|------------------------|--------|------|
| 163-1                      | Adsorption/Desorption In Soil                   | 42178414    | Alzchem Trostberg GMBH | Old    |      |
| 163-1                      | Soil Column Leaching                            | 42178415    | Alzchem Trostberg GMBH | Old    |      |
| 164-1                      | Soil Dissipation                                | 00148015    | Alzchem Trostberg GMBH | Old    |      |
| 164-1                      | Soil Dissipation                                | 00148018    | Alzchem Trostberg GMBH | Old    |      |
| 164-1                      | Field Soil Dissipation of Dormex                | 42178416    | Alzchem Trostberg GMBH | Old    |      |
|                            |                                                 |             |                        |        |      |
| 132-1                      | Dislodgeable Foliar Residue                     | 42178408    | Alzchem Trostberg GMBH | Old    |      |
| 202-1                      | Drift Concentration from Grapevine Applications | 42178424    | Alzchem Trostberg GMBH | Old    |      |
| 71-4                       | Reproductive effects on bobwhite quail          | 45797201    | Alzchem Trostberg GMBH | PAY    |      |
| 122-1                      | Effects of Cyanamide on nontarget plants        | 45380701    | Alzchem Trostberg GMBH | PAY    |      |
| 122-1                      | Seedling Emergence                              | 45380702    | Alzchem Trostberg GMBH | PAY    |      |
| 122-2                      | Algal Growth Inhibition                         | 45382201    | Alzchem Trostberg GMBH | PAY    |      |
| 122-2                      | 96 hr Algal Inhibition                          | 45406601    | Alzchem Trostberg GMBH | PAY    |      |
| 122-2                      | 96 hr algal inhibition                          | 45406602    | Alzchem Trostberg GMBH | PAY    |      |
| 162-4                      | Aerobic Aquatic Degradation                     | 45382202    | Alzchem Trostberg GMBH | PAY    |      |

Signature

Name and Title

Dr. Matthew Brooks, Director

Date

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Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124

Product

DuoMax

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name                  | MRID Number | Submitter              | Status | Note |
|----------------------------|---------------------------------------|-------------|------------------------|--------|------|
| 122-2                      | Vegetative Vigor                      | 40380101    | Alzchem Trostberg GMBH | Old    |      |
| 171-4b                     | Analysis of Cottonseed                | 00043361    | BASF Corporation       | Old    |      |
| 171-4c                     | Residues on Cotton Seed               | 00043362    | BASF Corporation       | Old    |      |
| 171-4A2                    | Metabolism in Cotton Plants           | 00043363    | BASF Corporation       | Old    |      |
| 171-5                      | Reduction of Residue-Cotton seed oil  | 00043364    | BASF Corporation       | Old    |      |
| 171-5                      | No Residue Petition                   | 00043365    | BASF Corporation       | Old    |      |
| 171-4A2                    | Residue in Plants                     | 00069483    | SEE 54555              | Old    |      |
| 171-4C                     | Residue Summary in Ginned Cotton seed | 00110394    | BASF Corporation       | Old    |      |
| 171-4C                     | Residue Study in Grapes               | 40329902    | Alzchem Trostberg GMBH | Old    |      |
| 171-4C                     | Storage Stability in grapes           | 40329903    | Alzchem Trostberg GMBH | Old    |      |
| 171-4C                     | Residue Study in Grapes               | 40380101    | Alzchem Trostberg GMBH | Old    |      |
| 171-4C                     | Residue Study in Grapes               | 40748701    | Alzchem Trostberg GMBH | Old    |      |
| 171-4A2                    | Grape Confirmatory Trial              | 41288808    | Alzchem Trostberg GMBH | Old    |      |
| 171-4A2                    | NOR-Grape                             | 41288809    | Alzchem Trostberg GMBH | Old    |      |

Signature

Name and Title

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Product

DuoMax

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name                     | MRID Number | Submitter              | Status | Note |
|----------------------------|------------------------------------------|-------------|------------------------|--------|------|
| 171-4A2                    | NOR-Grape                                | 41288810    | Alzchem Trostberg GMBH | Old    |      |
| 171-4C                     | Residue Study in Grapes                  | 41288811    | Alzchem Trostberg GMBH | Old    |      |
| 171-4C                     | Residue Analysis Storage Stability       | 41288812    | Alzchem Trostberg GMBH | Old    |      |
| 171-4C                     | Assessment of Residues in Peaches        | 41288813    | Alzchem Trostberg GMBH | Old    |      |
| 171-4C                     | Determination of Residues in Grapes      | 41288814    | Alzchem Trostberg GMBH | Old    |      |
| 171-4C                     | Confirmation trial-Detn in Grapes        | 41504005    | Alzchem Trostberg GMBH | Old    |      |
| 171-4C                     | MOR-Grapes                               | 41566506    | Alzchem Trostberg GMBH | Old    |      |
| 171-4C                     | MOR-Grapes- Ca                           | 41566507    | Alzchem Trostberg GMBH | Old    |      |
| 171-4A1                    | Analysis of Cyanamide in Avian Feed      | 42178403    | Alzchem Trostberg GMBH | Old    |      |
| 171-4A1                    | Method Validation in Grapes              | 42178419    | Alzchem Trostberg GMBH | Old    |      |
| 171-4B                     | Assessment of Dormex on Bicorn in Grapes | 42178420    | Alzchem Trostberg GMBH | Old    |      |
| 171-4C                     | Determinations of Residues in Grapes     | 42178421    | Alzchem Trostberg GMBH | Old    |      |
| 171-4C                     | Residue Study in Grapes                  | 42178422    | Alzchem Trostberg GMBH | Old    |      |
| 171-4C                     | Residue Study in Grapes                  | 42178423    | Alzchem Trostberg GMBH | Old    |      |

Signature

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Applicant's/Registrant's Name & Address  
Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124

Product  
DuoMax

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name         | MRID Number | Submitter                     | Status    | Note |
|----------------------------|------------------------------|-------------|-------------------------------|-----------|------|
| 63-10                      | Disassociation Constant      |             | Green Trees and Plants II LLC | Submitted |      |
| 63-9                       | Vapor Pressure               |             | Green Trees and Plants II LLC | Submitted |      |
| 62-3[830.1670]             | Color                        |             | Green Trees and Plants II LLC | Submitted |      |
| 63-3 [830.6303]            | Physical State               |             | Green Trees and Plants II LLC | Submitted |      |
| 63-4[830.6304]             | Odor                         |             | Green Trees and Plants II LLC | Submitted |      |
| 63-6[830.7220]             | Boiling Point                |             | Green Trees and Plants II LLC | Submitted |      |
| 63-7[830.7300]             | Density                      |             | Green Trees and Plants II LLC | Submitted |      |
| 63-8[830.7840]             | Solubility                   |             | Green Trees and Plants II LLC | Submitted |      |
| 63-5                       | Melting Point                |             | Green Trees and Plants II LLC | Submitted |      |
| 63-12[830.7000]            | pH                           |             | Green Trees and Plants II LLC | Submitted |      |
| 63-21                      | Dielectric Breakdown Voltage |             | Green Trees and Plants II LLC | Submitted |      |
|                            |                              |             |                               |           |      |
|                            |                              |             |                               |           |      |
|                            |                              |             |                               |           |      |
|                            |                              |             |                               |           |      |

Signature  Name and Title  
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Date  
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DATA MATRIX

|                                                                                                                |                                 |               |
|----------------------------------------------------------------------------------------------------------------|---------------------------------|---------------|
| Date March 25, 2008                                                                                            | EPA Reg No./File Symbol 84374-R | Page 11 of 16 |
| Applicant's/Registrant's Name & Address<br>Green Trees and Plants II, LLC 12208 Quinque Lane, Clifton VA 20124 | Product<br>DuoMax               |               |

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name     | MRID Number | Submitter              | Status | Note |
|----------------------------|--------------------------|-------------|------------------------|--------|------|
| 63-11                      | Octanol/Water Partition  | 00069482    | SEE 54555              | Old    |      |
| 63-11                      | Octanol/Water Partition  | 41504001    | Alzchem Trostberg GMBH | Old    |      |
| 63-11                      | Octanol/ Water Partition | 42202901    | Alzchem Trostberg GMBH | Old    |      |
| 63-13                      | Stability                | 00069482    | SEE 54555              | Old    |      |
| 63-13                      | Stability                | 41504001    | Alzchem Trostberg GMBH | Old    |      |
| 63-13                      | Stability                | 42202901    | Alzchem Trostberg GMBH | Old    |      |
| 63-15                      | Redox Potential          | 00069482    | SEE 54555              | Old    |      |
| 63-15                      | Redox Potential          | 41504001    | Alzchem Trostberg GMBH | Old    |      |
| 63-15                      | Redox Potential          | 42202901    | Alzchem Trostberg GMBH | Old    |      |
|                            |                          |             |                        |        |      |
|                            |                          |             |                        |        |      |
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|               |                                                |                 |
|---------------|------------------------------------------------|-----------------|
| Signature<br> | Name and Title<br>Dr. Matthew Brooks, Director | Date<br>3/25/08 |
|---------------|------------------------------------------------|-----------------|





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| Date March 25, 2008                                                                                             | EPA Reg No./File Symbol 84374-R | Page 12 of 16 |
| Applicant's/Registrant's Name & Address<br>Green Trees and Plants II, LLC, 12208 Quinqua Lane, Clifton VA 20124 | Product<br>DuoMax               |               |

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name                                 | MRID Number | Submitter                     | Status | Note |
|----------------------------|------------------------------------------------------|-------------|-------------------------------|--------|------|
| 158.165                    | Description of formulation process                   |             | Green Trees and Plants II LLC | Submit |      |
| 158.167                    | Discussion of impurities                             |             | Green Trees and Plants II LLC | Submit |      |
| 158.170                    | Preliminary Analysis                                 |             | Green Trees and Plants II LLC | Submit |      |
| 157.175                    | Certified Limits                                     |             | Green Trees and Plants II LLC | Submit |      |
| 158.180                    | Enforcement Analytical Method                        |             | Green Trees and Plants II LLC | Submit |      |
| 158.155                    | Product Identity and Composition                     |             | Green Trees and Plants II LLC | Submit |      |
| 158.160                    | Description of Materials used to produce the product |             | Green Trees and Plants II LLC | Submit |      |
| 156.162                    | Description of Production Process                    |             | Green Trees and Plants II LLC | Submit |      |
|                            |                                                      |             |                               |        |      |
|                            |                                                      |             |                               |        |      |
|                            |                                                      |             |                               |        |      |
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|                                                                                                  |                                                |                 |
|--------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------|
| Signature<br> | Name and Title<br>Dr. Matthew Brooks, Director | Date<br>3/25/08 |
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Date March 25, 2008

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Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC 12208 Quince Lane, Clifton VA 20124

Product

DuoMax [End-Use Product]

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name         | MRID Number | Submitter                     | Status    | Note |
|----------------------------|------------------------------|-------------|-------------------------------|-----------|------|
| 63-15                      | Flammability                 |             | Green Trees and Plants II LLC | Submitted |      |
| 63-16                      | Explosibility                |             | Green Trees and Plants II LLC | Submitted |      |
| 62-3[830.1670]             | Color                        |             | Green Trees and Plants II LLC | Submitted |      |
| 63-3[830.6303]             | Physical State               |             | Green Trees and Plants II LLC | Submitted |      |
| 63-4[830.6304]             | Odor                         |             | Green Trees and Plants II LLC | Submitted |      |
| 63-18                      | Viscosity                    |             | Green Trees and Plants II LLC | Submitted |      |
| 63-7[830.7300]             | Density                      |             | Green Trees and Plants II LLC | Submitted |      |
| 63-8[830.7840]             | Solubility                   |             | Green Trees and Plants II LLC | Submitted |      |
| 63-19                      | Miscibility                  |             | Green Trees and Plants II LLC | Submitted |      |
| 63-12[830.7000]            | pH                           |             | Green Trees and Plants II LLC | Submitted |      |
| 63-21                      | Dielectric Breakdown Voltage |             | Green Trees and Plants II LLC | Submitted |      |
| 63-17                      | Storage Stability            | 00148011    | Alzchem Trostberg GMBH        | Old       |      |
| 63-17                      | Storage Stability            | 42178408    | Alzchem Trostberg GMBH        | Old       |      |
| 63-20                      | Corrosion Characteristics    | 00148011    | Alzchem Trostberg GMBH        | Old       |      |
| 63-20                      | Corrosion Characteristics    | 42178406    | Alzchem Trostberg GMBH        | Old       |      |

Signature

Name and Title

Dr. Matthew Brooks, Director

Date

3/25/08



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Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124

Product

DuoMax [End Use Product]

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name                                 | MRID Number | Submitter                     | Status | Note |
|----------------------------|------------------------------------------------------|-------------|-------------------------------|--------|------|
| 158.165                    | Description of formulation process                   |             | Green Trees and Plants II LLC | Submit |      |
| 158.167                    | Discussion of impurities                             |             | Green Trees and Plants II LLC | Submit |      |
| 158.170                    | Preliminary Analysis                                 |             | Green Trees and Plants II LLC | Submit |      |
| 157.175                    | Certified Limits                                     |             | Green Trees and Plants II LLC | Submit |      |
| 158.180                    | Enforcement Analytical Method                        |             | Green Trees and Plants II LLC | Submit |      |
| 158.155                    | Product Identity and Composition                     |             | Green Trees and Plants II LLC | Submit |      |
| 158.160                    | Description of Materials used to produce the product |             | Green Trees and Plants II LLC | Submit |      |
| 158.162                    | Description of Production Process                    |             | Green Trees and Plants II LLC | Submit |      |
|                            |                                                      |             |                               |        |      |
|                            |                                                      |             |                               |        |      |
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|                            |                                                      |             |                               |        |      |

Signature

Name and Title

Dr. Matthew Brooks, Director

Date

3/25/08

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Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC, 12208 Quinque Lane Clifton VA 20124

Product

DuoMax [End-Use Product]

Ingredient Hydrogen Cyanamide

| Guideline Reference Number                                                                    | Guideline Study Name      | MRID Number | Submitter                                      | Status | Note            |
|-----------------------------------------------------------------------------------------------|---------------------------|-------------|------------------------------------------------|--------|-----------------|
| 81-1                                                                                          | Acute Oral Tox-rat        | 00104220    | BASF Corporation                               | Old    |                 |
| 81-2                                                                                          | Acute Dermal Tox-rat      | 00069490    | SEE 54555                                      | Old    |                 |
| 81-2                                                                                          | Acute Dermal Tox-rat      | 00104220    | BASF Corporation                               | Old    |                 |
| 81-2                                                                                          | Acute Dermal Tox-rat      | 00148022    | Alzchem Trosberg GMBH                          | Old    |                 |
| 81-2                                                                                          | Acute Dermal Tox-rat      | 41566501    | Alzchem Trosberg GMBH                          | Old    |                 |
| 81-3                                                                                          | Acute Inhalation Tox-Rat  | 00069488    | SEE 54555                                      | Old    |                 |
| 81-3                                                                                          | Acute Inhalation Tox-Rat  | 00148023    | Alzchem Trosberg GMBH                          | Old    |                 |
| 81-4                                                                                          | Primary Eye Irritation    | 00069489    | SEE 54555                                      | Old    |                 |
| 81-4                                                                                          | Primary Eye Irritation    | 00148024    | Alzchem Trosberg GMBH                          | Old    |                 |
| 81-4                                                                                          | Primary Eye Irritation    | 00153782    | Alzchem Trosberg GMBH                          | Old    |                 |
| 81-5                                                                                          | Primary Dermal Irritation | 00153781    | Alzchem Trosberg GMBH                          | Old    |                 |
| 81-6                                                                                          | Dermal Sensitization      | 00148026    | Alzchem Trosberg GMBH                          | Old    |                 |
| 81-6                                                                                          | Dermal Sensitization      | 41288807    | Alzchem Trosberg GMBH                          | Old    |                 |
|                                                                                               |                           |             |                                                |        |                 |
|                                                                                               |                           |             |                                                |        |                 |
| Signature  |                           |             | Name and Title<br>Dr. Matthew Brooks, Director |        | Date<br>3/25/08 |



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Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC, 12208 Quinke Lane Clifton VA 20124

Product

DuoMax [End-Use Product]

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name               | MRID Number | Submitter | Status | Note |
|----------------------------|------------------------------------|-------------|-----------|--------|------|
|                            |                                    |             |           |        |      |
|                            | Biologic, Inc.                     |             |           |        |      |
|                            | Agent for Alzchem Trostberg GMBH   |             |           |        |      |
|                            | 115 Obluse Hill Road               |             |           |        |      |
|                            | Brookfield CT 20006                |             |           |        |      |
|                            |                                    |             |           |        |      |
|                            | Wiley Rein LLP                     |             |           |        |      |
|                            | Counsel for Alzchem Trostberg GMBH |             |           |        |      |
|                            | 1776 K Street NW                   |             |           |        |      |
|                            | Washington DC 20006                |             |           |        |      |
|                            |                                    |             |           |        |      |
|                            |                                    |             |           |        |      |
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|                            |                                    |             |           |        |      |

Signature

Name and Title

Dr. Matthew Brooks, Director

Date

3/25/08

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Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC 12208 Quinque Lane Clifton VA 20124

Product

DuoMax

Ingredient Hydrogen Cyanamide

Guideline Reference Number

Guideline Study Name

MRID Number

Submitter

Status

Note

SEE 54555

Old

BASF Corporation

Old

Alzchem Trostberg GMBH

Old

BASF Corporation

Old

BASF Corporation

Old

Alzchem Trostberg GMBH

Old

SEE 54555

Old

Alzchem Trostberg GMBH

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BASF Corporation

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BASF Corporation

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BASF Corporation

Old

Alzchem Trostberg GMBH

Old

Alzchem Trostberg GMBH

Old

Alzchem Trostberg GMBH

Old

Signature

Name and Title

Dr. Matthew Brooks, Director

Date

3/25/08




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| Applicant's/Registrant's Name & Address<br>Green Trees and Plants II, LLC 12208 Quince Lane, Clifton VA 20124 | Product<br>Duo Max              |              |
| Ingredient Hydrogen Cyanamide                                                                                 |                                 |              |

| Guideline Reference Number                                                                       | Guideline Study Name | MRID Number | Submitter                                      | Status | Note            |
|--------------------------------------------------------------------------------------------------|----------------------|-------------|------------------------------------------------|--------|-----------------|
|                                                                                                  |                      |             | BASF Corporation                               | Old    |                 |
|                                                                                                  |                      |             | SEE 54555                                      | Old    |                 |
|                                                                                                  |                      |             | SEE 54555                                      | Old    |                 |
|                                                                                                  |                      |             | BASF Corporation                               | Old    |                 |
|                                                                                                  |                      |             | Alzchem Trostberg GMBH                         | Old    |                 |
|                                                                                                  |                      |             | Alzchem Trostberg GMBH                         | Old    |                 |
|                                                                                                  |                      |             | Alzchem Trostberg GMBH                         | Old    |                 |
|                                                                                                  |                      |             | Alzchem Trostberg GMBH                         | Old    |                 |
|                                                                                                  |                      |             | Alzchem Trostberg GMBH                         | Old    |                 |
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|                                                                                                  |                      |             | Alzchem Trostberg GMBH                         | Old    |                 |
|                                                                                                  |                      |             | Alzchem Trostberg GMBH                         | Old    |                 |
|                                                                                                  |                      |             | Alzchem Trostberg GMBH                         | Old    |                 |
| Signature<br> |                      |             | Name and Title<br>Dr. Matthew Brooks, Director |        | Date<br>3/25/08 |

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Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC f2208 Quince Lane, Clifton VA 20124

Product

DuoMax

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter              | Status | Note |
|----------------------------|----------------------|-------------|------------------------|--------|------|
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
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|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             |                        |        |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |

Signature

Name and Title

Dr. Matthew Brooks, Director

Date

3/25/08

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|-----------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------|------------------------|-----------------|------|
| Date March 25, 2008                                                                                             |                      | EPA Reg No./File Symbol 84374-R                |                        | Page 4 of 16    |      |
| Applicant's/Registrant's Name & Address<br>Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124 |                      | Product<br>DuoMax                              |                        |                 |      |
| Ingredient Hydrogen Cyanamide                                                                                   |                      |                                                |                        |                 |      |
| Guideline Reference Number                                                                                      | Guideline Study Name | MRID Number                                    | Submitter              | Status          | Note |
|                                                                                                                 |                      |                                                | Alzchem Trostberg GMBH | Old             |      |
|                                                                                                                 |                      |                                                | Alzchem Trostberg GMBH | Old             |      |
|                                                                                                                 |                      |                                                | Alzchem Trostberg GMBH | Old             |      |
|                                                                                                                 |                      |                                                | Alzchem Trostberg GMBH | Old             |      |
|                                                                                                                 |                      |                                                | Alzchem Trostberg GMBH | Old             |      |
|                                                                                                                 |                      |                                                | Alzchem Trostberg GMBH | Old             |      |
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|                                                                                                                 |                      |                                                | Alzchem Trostberg GMBH | Old             |      |
|                                                                                                                 |                      |                                                | Alzchem Trostberg GMBH | Old             |      |
| Signature                    |                      | Name and Title<br>Dr. Matthew Brooks, Director |                        | Date<br>3/25/08 |      |

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Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124

Product

DuoMax

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter              | Status | Note |
|----------------------------|----------------------|-------------|------------------------|--------|------|
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
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|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | PAY    |      |
|                            |                      |             | Alzchem Trostberg GMBH | PAY    |      |
|                            |                      |             | Alzchem Trostberg GMBH | PAY    |      |
|                            |                      |             | Alzchem Trostberg GMBH | PAY    |      |
|                            |                      |             | Alzchem Trostberg GMBH | PAY    |      |

Signature

Name and Title

Dr. Matthew Brooks, Director

Date

3/25/08



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DATA MATRIX

Date March 25, 2008 EPA Reg No./File Symbol 84374-R Page 6 of 16

Applicant's/Registrant's Name & Address  
Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124

Product  
DuoMax

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter              | Status | Note |
|----------------------------|----------------------|-------------|------------------------|--------|------|
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |

Signature  Name and Title  
Dr. Matthew Brooks, Director

Date  
3/25/08



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
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WASHINGTON, D.C. 20460

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DATA MATRIX

Date March 25, 2008 EPA Reg No./File Symbol 84374-R Page 7 of 16

Applicant's/Registrant's Name & Address  
Green Trees and Plants II, LLC, 12208 Oulnque Lane, Clifton VA 20124

Product  
DuoMax

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter              | Status | Note |
|----------------------------|----------------------|-------------|------------------------|--------|------|
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             |                        |        |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | PAY    |      |
|                            |                      |             | Alzchem Trostberg GMBH | PAY    |      |
|                            |                      |             | Alzchem Trostberg GMBH | PAY    |      |
|                            |                      |             | Alzchem Trostberg GMBH | PAY    |      |
|                            |                      |             | Alzchem Trostberg GMBH | PAY    |      |
|                            |                      |             | Alzchem Trostberg GMBH | PAY    |      |
|                            |                      |             | Alzchem Trostberg GMBH | PAY    |      |

Signature  Name and Title  
Dr. Matthew Brooks, Director Date  
3/25/08



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DATA MATRIX

Date March 25, 2008 EPA Reg No./File Symbol 84374-R Page 8 of 16

Applicant's/Registrant's Name & Address  
Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124

Product  
DuoMax

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name | MRIQ Number | Submitter              | Status | Note |
|----------------------------|----------------------|-------------|------------------------|--------|------|
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             |                        |        |      |
|                            |                      |             | BASF Corporation       | Old    |      |
|                            |                      |             | BASF Corporation       | Old    |      |
|                            |                      |             | BASF Corporation       | Old    |      |
|                            |                      |             | BASF Corporation       | Old    |      |
|                            |                      |             | BASF Corporation       | Old    |      |
|                            |                      |             | SEE 54555              | Old    |      |
|                            |                      |             | BASF Corporation       | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |

Signature  Name and Title  
Dr. Matthew Brooks, Director Date  
3/25/08



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DATA MATRIX

Date March 25, 2008

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Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC, 12208 Quinqua Lane, Clifton VA 20124

Product

DuoMax

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter              | Status | Note |
|----------------------------|----------------------|-------------|------------------------|--------|------|
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
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|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |

Signature

Name and Title

Dr. Matthew Brooks, Director

Date

3/25/08

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DATA MATRIX

Date March 25, 2008

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Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124

Product

DuoMax

Ingredient Hydrogen Cyanamide

Guideline Reference Number

Guideline Study Name

MRID Number

Submitter

Status

Note

Green Trees and Plants II LLC

Submitted

Green Trees and Plants II LLC

Submitted

Green Trees and Plants II LLC

Submitted

Green Trees and Plants II LLC

Submitted

Green Trees and Plants II LLC

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Green Trees and Plants II LLC

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Green Trees and Plants II LLC

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Green Trees and Plants II LLC

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Green Trees and Plants II LLC

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Green Trees and Plants II LLC

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Green Trees and Plants II LLC

Submitted

Green Trees and Plants II LLC

Submitted

Green Trees and Plants II LLC

Submitted

Green Trees and Plants II LLC

Submitted

Signature

Name and Title

Dr. Matthew Brooks, Director

Date

3/25/08

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DATA MATRIX

|                                                                                                                |                      |                                 |                                                |              |                 |
|----------------------------------------------------------------------------------------------------------------|----------------------|---------------------------------|------------------------------------------------|--------------|-----------------|
| Date March 25, 2008                                                                                            |                      | EPA Reg No./File Symbol 84374-R |                                                | Page 1 of 16 |                 |
| Applicant's/Registrant's Name & Address<br>Green Trees and Plants II, LLC 12208 Quinque Lane, Clifton VA 20124 |                      | Product<br>DuoMax               |                                                |              |                 |
| Ingredient Hydrogen Cyanamide                                                                                  |                      |                                 |                                                |              |                 |
| Guideline Reference Number                                                                                     | Guideline Study Name | MRID Number                     | Submitter                                      | Status       | Note            |
|                                                                                                                |                      |                                 | SEE 54555                                      | Old          |                 |
|                                                                                                                |                      |                                 | Alzchem Trostberg GMBH                         | Old          |                 |
|                                                                                                                |                      |                                 | Alzchem Trostberg GMBH                         | Old          |                 |
|                                                                                                                |                      |                                 | SEE 54555                                      | Old          |                 |
|                                                                                                                |                      |                                 | Alzchem Trostberg GMBH                         | Old          |                 |
|                                                                                                                |                      |                                 | Alzchem Trostberg GMBH                         | Old          |                 |
|                                                                                                                |                      |                                 | SEE 54555                                      | Old          |                 |
|                                                                                                                |                      |                                 | Alzchem Trostberg GMBH                         | Old          |                 |
|                                                                                                                |                      |                                 | Alzchem Trostberg GMBH                         | Old          |                 |
|                                                                                                                |                      |                                 |                                                |              |                 |
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|                                                                                                                |                      |                                 |                                                |              |                 |
| Signature<br>               |                      |                                 | Name and Title<br>Dr. Matthew Brooks, Director |              | Date<br>3/25/08 |

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DATA MATRIX

Date March 25, 2008 EPA Reg No./File Symbol 84374-R Page 12 of 16

Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124

Product

DuoMax

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter                     | Status | Note |
|----------------------------|----------------------|-------------|-------------------------------|--------|------|
|                            |                      |             | Green Trees and Plants II LLC | Submit |      |
|                            |                      |             | Green Trees and Plants II LLC | Submit |      |
|                            |                      |             | Green Trees and Plants II LLC | Submit |      |
|                            |                      |             | Green Trees and Plants II LLC | Submit |      |
|                            |                      |             | Green Trees and Plants II LLC | Submit |      |
|                            |                      |             | Green Trees and Plants II LLC | Submit |      |
|                            |                      |             | Green Trees and Plants II LLC | Submit |      |
|                            |                      |             | Green Trees and Plants II LLC | Submit |      |
|                            |                      |             |                               |        |      |
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|                            |                      |             |                               |        |      |
|                            |                      |             |                               |        |      |

Signature

Name and Title

Dr. Matthew Brooks, Director

Date

3/25/08

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DATA MATRIX

Date March 25, 2008

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Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC 12208 Quinque Lane, Clifton VA 20124

Product

DuoMax [End-Use Product]

Ingredient Hydrogen Cyanamide

Guideline Reference Number

Guideline Study Name

MRID Number

Submitter

Status

Note

Green Trees and Plants II LLC

Submitted

Green Trees and Plants II LLC

Submitted

Green Trees and Plants II LLC

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Green Trees and Plants II LLC

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Green Trees and Plants II LLC

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Green Trees and Plants II LLC

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Green Trees and Plants II LLC

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Green Trees and Plants II LLC

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Green Trees and Plants II LLC

Submitted

Green Trees and Plants II LLC

Submitted

Green Trees and Plants II LLC

Submitted

Alzchem Trostberg GMBH

Old

Alzchem Trostberg GMBH

Old

Alzchem Trostberg GMBH

Old

Alzchem Trostberg GMBH

Old

Signature

Name and Title

Dr. Matthew Brooks, Director

Date

3/25/08

6/3



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DATA MATRIX

Date March 25, 2008

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Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC, 12208 Quince Lane, Clifton VA 20124

Product

DuoMax (End Use Product)

Ingredient Hydrogen Cyanamide

Guideline Reference Number

Guideline Study Name

MRID Number

Submitter

Status

Note

Green Trees and Plants II LLC

Submit

Green Trees and Plants II LLC

Submit

Green Trees and Plants II LLC

Submit

Green Trees and Plants II LLC

Submit

Green Trees and Plants II LLC

Submit

Green Trees and Plants II LLC

Submit

Green Trees and Plants II LLC

Submit

Green Trees and Plants II LLC

Submit

Signature

Name and Title

Dr. Matthew Brooks, Director

Date

3/25/08



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WASHINGTON, D.C. 20460

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Applicant's/Registrant's Name & Address

Green Trees and Plants II, LLC, 12208 Quince Lane Clifton VA 20124

Product

OuoMax [End-Use Product]

Ingredient Hydrogen Cyanamide

| Guideline Reference Number | Guideline Study Name | MRIO Number | Submitter              | Status | Note |
|----------------------------|----------------------|-------------|------------------------|--------|------|
|                            |                      |             | BASF Corporation       | Old    |      |
|                            |                      |             | SEE 54555              | Old    |      |
|                            |                      |             | BASF Corporation       | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | SEE 54555              | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | SEE 54555              | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |
|                            |                      |             | Alzchem Trostberg GMBH | Old    |      |

Signature

Name and Title

Dr. Matthew Brooks, Director

Date

3/25/08

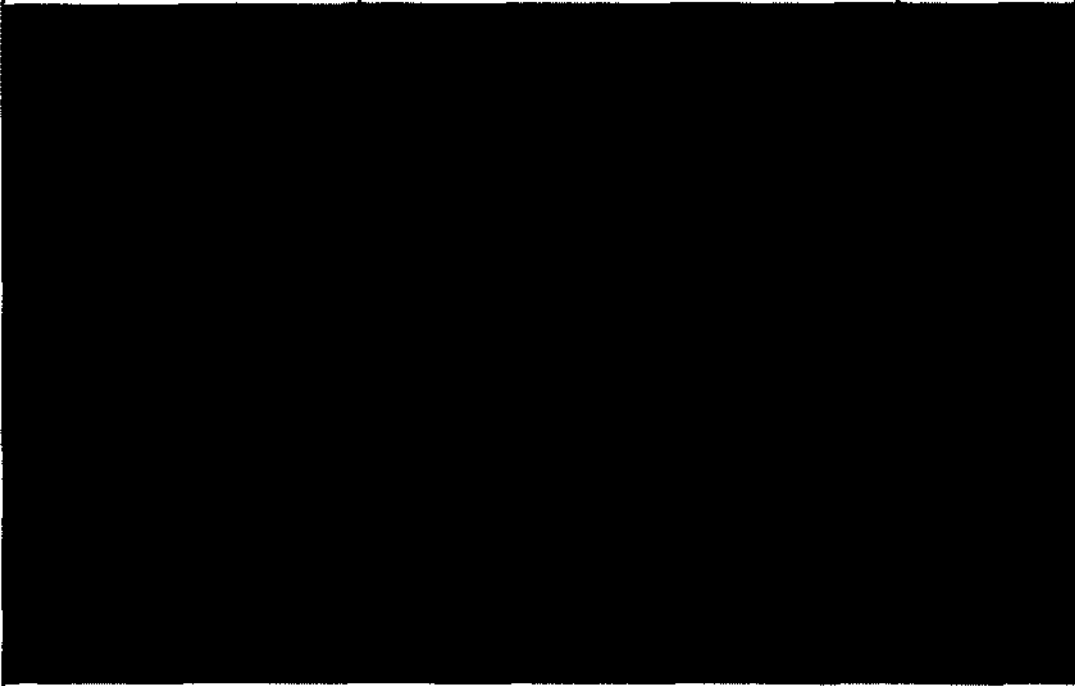



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|                                                                                                               |                      |                                                |           |                 |      |
|---------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------|-----------|-----------------|------|
| Date March 25, 2008                                                                                           |                      | EPA Reg No./File Symbol 84374-R                |           | Page 16 of 16   |      |
| Applicant's/Registrant's Name & Address<br>Green Trees and Plants II, LLC, 12208 Quince Lane Clifton VA 20124 |                      | Product<br>DuoMax [End-Use Product]            |           |                 |      |
| Ingredient Hydrogen Cyanamide                                                                                 |                      |                                                |           |                 |      |
| Guideline Reference Number                                                                                    | Guideline Study Name | MRID Number                                    | Submitter | Status          | Note |
|                            |                      |                                                |           |                 |      |
|                                                                                                               |                      |                                                |           |                 |      |
|                                                                                                               |                      |                                                |           |                 |      |
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|                                                                                                               |                      |                                                |           |                 |      |
|                                                                                                               |                      |                                                |           |                 |      |
| Signature<br>              |                      | Name and Title<br>Dr. Matthew Brooks, Director |           | Date<br>3/25/08 |      |

**RESTRICTED USE PESTICIDE**  
Due to corrosive effects to eyes and skin.

For Retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certification.

A growth regulator for stimulating uniform budbreak:

**DUOMAX** — changed From "Dormex"

| ACTIVE INGREDIENT        | BY WEIGHT |
|--------------------------|-----------|
| Hydrogen Cyanamide ..... | 50.00%    |
| OTHER INGREDIENTS .....  | 50.00%    |
| TOTAL .....              | 100.00%   |

4.3 LBS. ACTIVE INGREDIENT PER GALLON

"U.S. PATENT 4,487,625" ~~deleted~~

KEEP OUT OF REACH OF CHILDREN  
DANGER — PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand this label, find someone to explain it to you in detail.)

change  
back  
changed  
from  
"hold"

| FIRST AID              |                                                                                                                                                                                                                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| If on skin or clothing | <ul style="list-style-type: none"><li>• Take off contaminated clothing</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call poison control center or doctor for treatment advice.</li></ul>                                                                                                                        |
| If inhaled             | <ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>                                                      |
| If in eyes             | <ul style="list-style-type: none"><li>• Help eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>                                                   |
| If swallowed           | <ul style="list-style-type: none"><li>• Call poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul> |

**NOTES:**

- Have the product container or label with you when calling a poison control center or doctor or going for treatment.
- In the event of a medical emergency, you may also contact the National pesticide Information Center at 1-800-858-7378.

**NOTE TO PHYSICIAN**

- Immediate lavage of stomach.
- Hydrogen cyanamide is not hydrogen cyanide and does not degrade to hydrogen cyanide. Do not induce vomiting or give anything by mouth to an unconscious person.

over 3  
EPA REG No. 84374-R "BATCH NO." ~~deleted~~ [added]  
"54555-2" ~~deleted~~ EPA EST. No. 54555-WG-001 or 48498-CA-1 ~~deleted~~  
NET CONTENTS XX GALS. "LITERS" ~~deleted~~

Compared to the 7/19/04 "ACCEPTED" label for 54555-2.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER**

*changed from  
"DORMEX"*

Corrosive, causes eye and skin damage. May be fatal if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe spray mist. If a skin rash develops as a result of exposure to DUOMAX, avoid exposure to the material or its spray drift, some people may develop a sensitivity to DUOMAX. Avoid contamination of food and feed.

*delete* *[added]*

**PERSONAL PROTECTIVE EQUIPMENT**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on the EPA chemical resistance category selection chart.

*changed from "a"*

**APPLICATORS AND OTHER HANDLERS MUST WEAR:**

*"or Neoprene Rubber ≥ 14 mils" deleted*

- Chemical-resistant protective suit
- Chemical-resistant gloves such as Barrier Laminate, or Butyl rubber ≥14 mils, or Nitrile Rubber ≥14 mils, or Polyvinyl Chloride (PVC) ≥14 mils, or Vitron ≥14 mils.
- Chemical-resistant footwear plus socks
- Protective eyewear – persons who mix, load or transfer must wear goggles. A full-faced respirator may be substituted for goggles.
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading
- A respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)

*changed from "1" — change back*

**USER SAFETY REQUIREMENTS:**

- No Alcoholic beverages. Do not consume alcoholic beverages prior to, during, and following (24 hours) handling this product.
- Dispose of Contaminated Clothing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with liquid from this product. Do not reuse them.
- Clean and maintain PPE: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Wash PPE after each day's use.

**ENGINEERING CONTROLS STATEMENTS:**

- Closed Systems: This product must be mixed, loaded, and transferred only in a closed system.
- Closed Systems and Enclosed Cab Requirements (if applicable): This product must be applied only with the applicator in an enclosed cab. The closed system and enclosed cab must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides {40 CFR 120.240(d)(4-6)}. The handler PPE requirements may be reduced for modified as specified in the WPS.
- The operating pressure of the spray rig shall be no more than 40 psi with the use of low pressure nozzles on dilute boom sprays and no more than 100 psi on airfan sprayers. Airfan sprayers should have the fan adjusted so that the spray mist does not greatly exceed the top of the vines being sprayed.

**USER SAFETY RECOMMENDATIONS**

*[added]*

*54*

#### Users should:

- Wash hands before eating drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Avoid contact with spray contaminated surfaces.
- — [added] — delete

#### ENVIRONMENTAL HAZARDS:

Do not apply this product to any area in which an endangered species has been identified or in such a manner that drift from applications of this product could result in destroying an endangered species. This limitation applies only to areas that have been identified by and are protected by State and Federal agencies. Do not apply closer than 300 yards to the mean high water mark for intertidal areas or closer than 300 yards to surface water. Do not apply to crops growing closer than 300 yards to rivers, streams, or their flowing tributaries. Do not contaminate water by the cleaning of equipment or disposal of equipment washwater or rinsate. Do not apply when weather conditions favor drift from treated areas or where runoff is likely to occur. Do not spray when bees are active in the field.

This chemical can contaminate surface water through ground spray applications. Under some conditions it may also have a high potential for runoff into surface water after applications. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters by vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water. This pesticide is highly toxic to freshwater invertebrates and moderately toxic to birds and mammals. Drift and runoff may be hazardous to aquatic organisms in neighboring areas.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 72 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Chemical-resistant protective suit
- Chemical-resistant gloves, such as Barrier Laminate, or Butyl Rubber  $\geq 14$  mils, or Nitrile Rubber  $\geq 14$  mils, or Neoprene Rubber  $\geq 14$  mils, or Polyvinyl Chloride (PVC)  $\geq 14$  mils, or Viton  $\geq 14$  mils.
- Chemical-resistant footwear plus socks
- Protective eyewear – persons who mix, load or transfer must wear goggles. A full-faced respirator may be substituted for goggles.

Chemical-resistant headgear for overhead exposure.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

Add a bullet and continue the format of the bulleted items list.



[Moved to below the "AGRICULTURAL  
USE REQUIREMENTS" box]

## DIRECTIONS FOR USE

Move back up

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers or protected supervisors may be in the area during applications. <sup>[added]</sup> During the application no person shall be within 100 yards of the area to be treated unless involved in application or mix/load operations. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Aerial application of Duomax is prohibited.

<sup>change back</sup> Do not apply this product through any type of irrigation system.

<sup>changed from "that"</sup> Duomax<sup>\*</sup> is a plant growth regulator with will stimulate more uniform budbreak on many deciduous plants. More uniform budbreak will occur in plants that have received their full chill hour requirement or somewhat less than their full dormancy. Promoting more uniform budbreak in the spring can have significant benefit in promoting more uniform flowering and more uniform maturity at harvest. The following provides directions on how to achieve these benefits and how to avoid possible difficulties in the use of Duomax<sup>\*</sup>.

This label must be in possession of the user at the time of Duomax application.

**EQUIPMENT CONTAMINATION** – Spray equipment used for Duomax<sup>\*</sup> application should be thoroughly cleaned of residual spray materials. Residual spray in the tank or sprayer plumbing may react with Duomax<sup>\*</sup>, potentially reducing the effective concentration of Duomax<sup>\*</sup>. Sprays containing metal ions, particularly copper, will form a black insoluble salt that will coat the sprayer and be difficult to remove. More importantly, this reaction will reduce the available active ingredient concentration.

**DORMANT SPRAY EFFECTIVENESS** – Early dormant sprays containing copper should not be followed by Duomax<sup>\*</sup> by less than 30 days or the effect of the copper spray may be reduced.

**DORMANT SPRAYS CONTAINING OIL** – Dormant sprays containing oil should not be made closer than 14 days before or after Duomax<sup>\*</sup> application (delayed dormant applications are preferred). Some new wood dieback may result if oil is applied closer than this interval. When oil and copper spray mixtures must be used for insect and/or disease control, Duomax<sup>\*</sup> should be applied 30 or more days before normal budbreak and the oil and/or copper spray should be made as a delayed dormant spray, which coincides with early budbreak. This practice will give three or more weeks separation.

**COVER CROPS** – When spraying Duomax<sup>\*</sup> in areas of vineyards or orchards with cover crops, injury may occur from spray applications to the target crop. This injury is usually temporary, but some crops may be sensitive and be defoliated. If there is concern about the cover crop, a test spray of a small area over the cover crop to test the plant sensitivity to Duomax<sup>\*</sup> using the intended surfactant is recommended.

**POTENTIAL CROP LOSS** – Users of Duomax<sup>\*</sup> are advised that drift to crops that are in bloom may completely remove or damage all of the flowers, resulting in complete crop loss. When spraying close to susceptible crops, for example, lemons, crops in bloom, sensitive foliage, etc., a buffer zone is suggested to be used. Extreme care must be used to avoid contact of the spray or drift with foliage, green stems, or fruit of desirable crops since severe damage and crop loss may result.

**SPRAY DRIFT** – Avoid spraying under conditions of a temperature inversion when drift hazard is increased. Coarse sprays are less likely to drift and are recommended to be used in Duomax<sup>\*</sup> applications. Do not use nozzles or nozzle configurations which promote fine spray droplets. Do not increase spray volume by increasing nozzle pressure, since this will increase the number of fine droplets in the spray. It is important to understand that the responsibility for control of spray drift is the responsibility of the person making the use recommendation, the applicator and the grower. Read the "Conditions of Sale" on the Duomax<sup>\*</sup> label before using this product. If the terms in the "Conditions of Sale" are not acceptable, return the product unopened at once. <sup>[added]</sup> – delete

To limit drift, use a coarse droplet nozzle with nozzle pressure not to exceed 40 psi for dilute boom sprayers and 100 psi for air fan sprayers, and spray only to wet. Do not exceed 40 psi for dilute boom sprayers and 100 psi for air fan sprayers, and spray only to wet. Do not exceed 4 gallons per acre of Duomax<sup>\*</sup> per application and make only one application per crop cycle. Do not tank mix with other materials except as listed on this label. If applied less than 30 days (35 to 40 days

\* Changed from "Dormex"

for apples) prior to natural budbreak, yield may be reduced. Use the minimum spray volume to achieve adequate wetting of all buds. Do not use concentrate spray.

The use of Duomax may result in the formation of ethylene gas. When the Duomax is applied to grapes growing close to certain lemon varieties the ethylene gas may in turn result in some leaf drop in lemon leaves. This defoliation is characterized by the leaf lamina falling off leaving the leaf petiole still attached to the stem. Application of lime at 125 lbs. in 250-300 gal. water per acre (having a high pH, i.e. 10+), applied 2 to 24 hours after Duomax application, may result in reduced formation of ethylene gas. Again, control of spray drift is the responsibility of the person making the use recommendation, the applicator and the grower.

**PRECAUTIONS AGAINST USE OF DUOMAX AS A BLOSSOM THINNER** – Duomax is not to be used as a blossom thinner under any conditions because the outcome is unpredictable.

**FROST OCCURRENCE PRECAUTION** – For earlier than normal budbreak, make the application sooner than 30 days prior to normal budbreak. In determining whether or not to apply Duomax to promote earlier than normal budbreak, the user should be aware that growing buds and shoots are susceptible to frost and may be killed or damaged by freezing temperatures. Following application, some yellowing on the first leaves may appear but the developing growth will be normal. *changed from "effectiveness" — change back*

**DORMANCY REQUIREMENTS** – To promote the maximum effective of Duomax and to avoid phytotoxicity (i.e., new wood dieback, blossom thinning), deciduous crops must be completely dormant. Duomax is not a substitute for a lack of dormancy. Care should be taken to monitor dormancy. This is most easily accomplished by monitoring chill hour accumulation. **USER NOTE:** negative chill hour accumulation, climatologically induced incomplete dormancy must be considered, both to promote the effectiveness of Duomax at the recommended rates of application and to avoid phytotoxicity. *changed from "affected" — change back*

**ENVIRONMENTAL AND DISEASE STRESS** - Plants grown in heavy soils, or in other soils affected by poor drainage, or soil borne diseases, such as phytophthora root rot may die back as a result of treatment with Duomax. This is due to increased uniform budbreak and the inability of the plant to sustain growth. Plants usually appear healthy and begin to grow normally, then collapse. Plants designated for treatment with Duomax need a healthy, viable root system.

**SPRAY EQUIPMENT CALIBRATION** – When calibrating spray equipment, especially speed sprayers, it is critical that equipment be calibrated for the row spacing to be treated. Double spraying and excessive drift through the vineyard/orchard will result in phytotoxicity. Proper speed sprayer calibration and/or reduction of rate will provide a good result. *[added]*

### CROP RECOMMENDATIONS:

**APPLES** – To promote more uniform budbreak, after all pruning activities are completed, apply a 4% (v/v) spray in not more than 200 gallons spray per acre using a nonionic surfactant not to exceed 0.5% (v/v), 30 days before normal budswell, or 35 days before normal budbreak. In orchards having more than one variety, spray according to anticipated budbreak timing of the earliest variety in an interplanted orchard, unless each variety can be sprayed separately without significant drift or overspray contacting previously sprayed varieties or nontarget varieties. When budbreak begins to occur, the bloom period can be compressed to a few days depending upon the weather. In order to assure proper pollination, a sufficient number of beehives of suitable strength to assure adequate pollination must be set in the orchard before first blossom activity is observed. Artificial pollination may be advised when bee activity is limited. Increased budbreak uniformity will also facilitate chemical thinning of fruit and promote greater uniformity of fruit maturity at harvest.

Duomax is a budbreak stimulant and will promote more uniform normal and/or earlier budbreak even when the maximum chill hour requirements are met.

Duomax is not a substitute for chill hours, however, a 4% (v/v) spray will stimulate more uniform bud emergence following a minimum amount of chilling (approximately 375-500 chill hours based on the threshold temperature of 43°F to 45°F). *add back — "time" deleted*

**BLUEBERRIES** – To promote more uniform budbreak, particularly in areas of marginal chilling, to reduce the period of fruit disease susceptibility and to promote more uniform harvest, use 1.5% (v/v) Duomax in 50 to 100 gallons of spray

*\*changed from "Dormex"*

~~"to provide full coverage:" deleted~~ ~~"flower and vegetative" deleted~~  
~~changed from~~ per acre using a nonionic surfactant not to exceed 0.5% v/v with applications made 30 or more days prior to natural budbreak. ~~cover~~

(In the State of Florida – use of Duomax in Alachua County, Florida is restricted from the area west of Route 441, except that north of the intersection of Route 441 and 175, use is also restricted west of 175 because of possible effects on the squirrel chimney cave shrimp *Palaemonetes cummingi*).

**CHERRIES** – For more uniform natural budbreak, or for earlier budbreak, leading to more uniform maturity or earlier maturity, apply after all pruning activities are complete, a 4% (v/v) spray in not more than 200 gallons of spray per acre using a nonionic surfactant not to exceed 0.5% v/v. If sufficient spray coverage cannot be achieved on very large trees with 200 gallons spray per acre, do not use Duomax. Applications should be made 30 or more days prior to normal budbreak. Spray applications should be made according to the anticipated budbreak timing required by the earliest variety within an interplanted orchard, unless each variety can be sprayed separately without significant drift or over-spray contacting previously sprayed varieties or non-target varieties. Maintain fungicide/bactericide spray activities, including dormant sprays, and protect bud growth as it occurs. ~~change back~~

When budbreak begins to occur following application of Duomax, the bloom can be compressed to a few days, depending upon the weather. In order to assure proper pollination, a sufficient number of beehives of suitable strength to assure adequate pollination must be set in the orchard before first bloom activity is observed. Artificial pollination may be advised when bee activity is limited. ~~changed from "pollination" change bac~~

Duomax is a budbreak stimulant and will promote more uniform normal and/or earlier budbreak even when the maximum chill hour requirements are met. However, Duomax is not a substitute for chill hours. A 4% (v/v) spray will stimulate growth following a minimum amount of chilling (approximately 350-500 chill hours based on the threshold temperature of 43°F to 45°F).

**GRAPES – WINE AND RAISIN** – For promoting increased budbreak uniformity, and to promote more uniform harvest, apply a 4% spray in not more than 100 gallons per acre applied 30 or more days prior to normal natural budbreak. This use will help overcome blind bud disorder on such wine varieties as Cabernet Sauvignon. Low vigor vines may not be able to support the amount of budbreak and shoot growth that occurs as a result of Duomax use.

**DESERT GRAPES** – For use in desert grown grapes in California Counties of Imperial, Riverside and San Bernardino and in Arizona Counties of Maricopa, Pinal and Yuma. ~~changed from "in" change bac~~  
To promote uniform budbreak apply Duomax as a 4% (v/v) solution in water using a nonionic surfactant not to exceed 0.5% v/v, prior to budbreak after all pruning activities are complete, including tying of canes. Use a coarse droplet spray with nozzle pressure not to exceed 40 psi. use a minimum number of spray nozzles to achieve adequate wetting. Three to four nozzles are usually sufficient. ~~change "d" deleted~~

Do not exceed 100 gallons of spray per acre and do not use more than 4 gallons Duomax per acre. Make only one application per crop cycle. Do not tank mix with other materials except as listed above. If applied less than four weeks prior to natural budbreak, yield may be reduced.

For earlier than normal budbreak, make the application earlier than 4 weeks prior to normal budbreak but not later than January 31 and not before December 1.

Some yellowing on the first leaves may appear but the developing growth will be normal. In determining to apply Duomax to promote earlier than normal budbreak, the user should be aware that growing buds and shoots are susceptible to frost and may be killed or damaged by freezing temperatures.

To avoid possible exposure to the endangered Coachella Valley fringe-toed lizard in the vineyards located within boundaries of the Coachella Valley Preserve, applications may not be made within 50 feet of the boundary of the Coachella Valley Preserve.

**NON-DESERT GRAPES** – For use in California Counties of Kern, Tulare, Fresno, and Madera.

To promote uniform budbreak apply Duomax as a 4% (v/v) solution in water using a nonionic surfactant not to exceed 0.5% v/v, prior to budbreak after all pruning activities are completed, including tying of canes. Use a coarse droplet spray with nozzle pressure not to exceed 40 psi, and a minimum number of spray nozzles to achieve adequate wetting.

~~changed from "nozzle" change back~~  
~~\* changed from "Dormex"~~



Note to User: Application at rates in excess of those stated above may reduce emergence of primary buds, causing secondary bud growth which can reduce yield in the immediate crop cycle.

**"PESTICIDE" deleted - add back**

**STORAGE AND DISPOSAL**

**STORAGE:** Keep under cool conditions, not to exceed 20°C (68°F). Do not store in direct sunlight. **Moved from the "PESTICIDE DISPOSAL" section**

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. **Moved from the "PESTICIDE STORAGE" section**

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **changed from "at" change back**

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### \* **CONDITION OF SALE**

1. Green Trees and Plants II LLC warrants that this product consists of the ingredients specified and is reasonably fit for the purpose stated on this label when used in accordance with the directions under normal conditions of use. No one other than an officer of Green Plants and Trees II LLC is authorized (and such authorization must be in writing) to make any other warranty, guarantee or direction concerning this product.
2. Because the time, place, rate of application, weather conditions and normal or abnormal conditions of use or storage are beyond Green Trees and Plant's control, Green Trees and Plant's liability is limited to replacement of product or refund of purchase price. In no event shall Green Trees and Plants be liable for indirect or consequential damages.

MANUFACTURED FOR  
Green Trees and Plants II LLC.  
250 Lawrence St.  
Marietta GA 30060

[added]

to the extent consistent with applicable law

\* changed From "DEGUSSA AG", "DEGUSSA", or "DEGUSSA'S"

**RESTRICTED USE PESTICIDE**

Due to corrosive effect to eyes and skin

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certification.

A growth regulator for stimulating uniform budbreak:

**DORMEX™****ACTIVE INGREDIENT**

Hydrogen Cyanamide.....

**OTHER INGREDIENTS**.....**TOTAL**.....**BY WEIGHT**

50.00%

50.00%

100.00%

4.3 LBS. ACTIVE INGREDIENT PER GALLON

U.S. PATENT 4,487,625

**KEEP OUT OF REACH OF CHILDREN****ANGER - PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand this label, find someone to explain it to you in detail.)

**FIRST AID****If on skin or clothing**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call poison control center or doctor for treatment advice.

**If inhaled**

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

**If in eyes**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

**If swallowed**

- Call poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**NOTES:**

- Have the product container or label with you when calling a poison control center or doctor or going for treatment.
- In the event of a medical emergency, you may also contact the National Pesticide Information Center at 1-800-858-7378.

**NOTE TO PHYSICIAN**

- Immediate lavage of stomach.
- Hydrogen cyanamide is not hydrogen cyanide and does not degrade to hydrogen cyanide. Do not induce vomiting or give anything by mouth to an unconscious person.

**ACCEPTED**

JUL 19 2004

This is the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 54555-22.

EPA REG. No. 54555-2

EPA EST. 54555-WG-001  
or 48498-CA-1

MANUFACTURED BY  
DEGUSSA AG  
D-4300 TROSTBERG, GERMANY  
P.O.B. 1262

BATCH NO.  
NET CONTENTS GALS. LITERS

1000-80

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER**

Corrosive, causes eye and skin damage. May be fatal if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe spray mist. If a skin rash develops as a result of exposure to DORMEX, avoid exposure to the material or its spray drift, some people may develop a sensitivity to DORMEX. Avoid contamination of food and feed.

**PERSONAL PROTECTIVE EQUIPMENT**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

**APPLICATORS AND OTHER HANDLERS MUST WEAR:**

- Chemical-resistant protective suit
- Chemical-resistant gloves such as Barrier Laminate, or Butyl rubber  $\geq 14$  mils, or Nitrile Rubber  $\geq 14$  mils, or Neoprene Rubber  $\geq 14$  mils, or Polyvinyl Chloride (PVC)  $\geq 14$  mils, or Viton  $\geq 14$  mils
- Chemical-resistant footwear plus socks
- Protective eyewear – persons who mix, load or transfer must wear goggles. A full-faced respirator may be substituted for goggles.
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading
- A respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)

**USER SAFETY REQUIREMENTS:**

- No Alcoholic beverages. Do not consume alcoholic beverages prior to, during, and following (24 hours) handling this product.
- Dispose of Contaminated Clothing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with liquid from this product. Do not reuse them.
- Clean and maintain PPE: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Wash PPE after each day's use.

**ENGINEERING CONTROLS STATEMENTS:**

- Closed Systems: This product must be mixed, loaded, and transferred only in a closed system.
- Closed Systems and Enclosed Cab Requirements (if applicable): This product must be applied only with the applicator in an enclosed cab. The closed system and enclosed cab must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)). The handler PPE requirements may be reduced or modified as specified in the WPS.
- The operating pressure of the spray rig shall be no more than 40 psi with the use of low pressure nozzles on dilute boom sprays and no more than 100 psi on airfan sprayers. Airfan sprayers should have the fan adjusted so that the spray mist does not greatly exceed the top of vines being sprayed.

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W



### USER SAFETY RECOMMENDATIONS:

#### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Avoid contact with spray contaminated surfaces.

### ENVIRONMENTAL HAZARDS:

Do not apply this product to any area in which an endangered species has been identified or in such a manner that drift from applications of this product could result in destroying an endangered species. This limitation applies only to areas that have been identified by and are protected by State and Federal agencies. Do not apply closer than 300 yards to the mean high water mark for intertidal areas or closer than 300 yards to surface water. Do not apply to crops growing closer than 300 yards to rivers, streams, or their flowing tributaries. Do not contaminate water by the cleaning of equipment or disposal of equipment washwater or rinsate. Do not apply when weather conditions favor drift from treated areas or where runoff is likely to occur. Do not spray when bees are active in the field.

This chemical can contaminate surface water through ground spray applications. Under some conditions it may also have a high potential for runoff into surface water after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters by vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water. This pesticide is highly toxic to freshwater invertebrates and moderately toxic to birds and mammals. Drift and runoff may be hazardous to aquatic organisms in neighboring areas.

### DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers or protected supervisors may be in the area during application. During the application no person shall be within 100 yards of the area to be treated unless involved in application or mix/load operations. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Aerial application of Dormex is prohibited.

Do not apply this product through any type of irrigation system.

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### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 72 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Chemical-resistant protective suit
- Chemical-resistant gloves, such as Barrier Laminate, or Butyl Rubber  $\geq 14$  mils, or Nitrile Rubber  $\geq 14$  mils, or Neoprene Rubber  $\geq 14$  mils, or Polyvinyl Chloride (PVC)  $\geq 14$  mils, or Viton  $\geq 14$  mils
- Chemical-resistant footwear plus socks
- Protective eyewear – persons who mix, load or transfer must wear goggles. A full-faced respirator may be substituted for goggles.
- Chemical-resistant headgear for overhead exposure.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

## DIRECTIONS FOR USE - Cont'd

### Aerial application of Dormex is prohibited.

Dormex is a plant growth regulator that will stimulate more uniform budbreak on many deciduous plants. More uniform budbreak will occur in plants that have received their full chill hour requirement or somewhat less than the full dormancy. Promoting more uniform budbreak in the spring can have significant benefits in promoting more uniform flowering and more uniform maturity at harvest. The following provides directions on how to achieve these benefits and how to avoid possible difficulties in the use of Dormex.

This label must be in possession of the user at the time of Dormex application.

**EQUIPMENT CONTAMINATION** - Spray equipment used for Dormex application should be thoroughly cleaned of residual spray materials. Residual spray in the tank or sprayer plumbing may react with Dormex, potentially reducing the effective concentration of Dormex. Sprays containing metal ions, particularly copper, will form a black insoluble salt that will coat the sprayer and be difficult to remove. More importantly, this reaction will reduce the available active ingredient concentration.

**DORMANT SPRAY EFFECTIVENESS** - Early dormex sprays containing copper should not be followed by Dormex by less than 30 days or the effect of the copper spray may be reduced. Dormant sprays containing oil should not be made closer than 14 days before or after Dormex applications (delayed dormex applications are preferred). Some new wood copper spray should be made as a delayed dormex spray, which coincides with early budbreak. This practice will give three or more weeks protection.

**COVER CROPS** - When spraying Dormex in some vineyards or orchards with cover crops, injury may occur from spray applications to the target crop. This injury is usually temporary, but some crops may be sensitive and be defoliated. If there is concern about the cover crop, a test spray of a small area over the cover crop to test the plant sensitivity to Dormex using the intended surfactant is recommended.

**POTENTIAL CROP LOSS** - Users of Dormex are advised that drift to crops that are in bloom may completely remove or damage all of the flowers, resulting in complete crop loss. When spraying close to susceptible crops, for example, hawthorn, apple, or plum, a buffer zone is suggested to be used. Extreme care must be used to avoid contact of the spray or drift with foliage, green stems, or fruit of desirable crops since severe damage and crop loss may result.

**SPRAY DRIFF** - Avoid spraying under conditions of a temperature inversion when drift hazard is increased. Cooler sprays are less likely to drift and are recommended to be used in Dormex applications. Do not use nozzles or nozzle configurations which produce fine spray droplets. Do not increase spray volume by increasing nozzle pressure, since this will increase the number of fine droplets in the spray. It is important to understand that the responsibility for control of spray drift is the responsibility of the person making the use recommendations, the applicator and the grower. Read the "Conditions of Sale" on the Dormex label before using this product. If the To limit drift, use a coarse droplet nozzle with nozzle pressure not to exceed 40 psi for down boom sprayers and 100 psi for air line sprayers, and spray only to wet. Do not exceed a gallon per acre of Dormex per application and make only one application per crop cycle. Do not tank mix with other materials except as listed on this label. If applied less than 30 days (35 to 40 days for apples) prior to natural budbreak, yield may be reduced. Use the minimum spray volume to achieve adequate wetting of all buds. Do not use concentrate spray.

The use of Dormex may result in the formation of ethylene gas. When the Dormex is applied to grapes growing close to certain hawthorn varieties the ethylene gas may in turn result in some leaf drop in hawthorn leaves. This definition is characterized by the leaf veins turning yellow and the leaf falling off. A application of 125 lbs. in 250,000 gal. water per acre (having a high pH, i.e. 10+) applied 2 to 24 hours after Dormex application, may result in reduced formation of ethylene gas. Again, control of spray drift is the responsibility of the person making the use recommendations, the applicator and the grower.

**PRECAUTIONS AGAINST USE OF DORMEX AS A BLOSSOM THINNER** - Dormex is not to be used as a blossom thinner under any conditions because the outcome is unpredictable. For earlier than normal budbreak, make the application sooner than 30 days prior to natural budbreak. In determining whether or not to apply Dormex to promote earlier than normal budbreak, the user should be aware that growing buds and shoots are susceptible to frost and may be killed or damaged by freezing temperatures. Following application, some yellowing on the first leaves may appear but the developing growth will be normal.

**DORMANCY REQUIREMENTS** - To promote the maximum effectiveness of Dormex and to avoid phytotoxicity (i.e., new wood dieback, blossom thinning), deciduous crops must be completely dormant. Dormex is not a substitute for a lack of dormancy. Care should be taken to monitor dormancy. This is most easily accomplished by monitoring chill hour accumulation. Dormex is induced incomplete dormancy must be considered, both to promote the effectiveness of Dormex at the recommended rates of application and to avoid phytotoxicity.

**ENVIRONMENTAL AND DISEASE STRESS** - Plants grown in heavy soils, or in other soils affected by poor drainage, or soil borne diseases, such as phytophthora root rot may die back as a result of treatment with Dormex. This is due to increased uniform budbreak and the inability of the plant to sustain growth. Plants usually appear healthy and begin to grow normally, then collapse. Plants designated for treatment with Dormex need a healthy, stable root system.

**SPRAY EQUIPMENT CALIBRATION** - When calibrating spray equipment, especially speed sprayers, it is critical that equipment be calibrated for the new spacing to be treated. Double spraying and excessive drift through the orchard will result in phytotoxicity. Proper speed sprayer calibration and/or reduction of rate will provide a good result.

### CROP RECOMMENDATIONS:

**APPLES** - To promote more uniform budbreak, after all pruning activities are completed, apply a 4% (v/v) spray in not more than 200 gallons spray per acre using a nonionic surfactant not to exceed 0.5% (v/v), 30 days before natural budbreak, or 35 days before normal budbreak. In orchards being more than one variety, spray according to anticipated budbreak timing of the earliest variety; in an interplanted orchard, unless each variety can be sprayed separately, without significant drift or overexposure to previously sprayed varieties to non-target varieties. When budbreak begins to occur, the bloom period can be compressed to a few days depending upon the weather. In order to insure proper pollination, a sufficient number of budbreak of suitable strength to insure adequate pollination must be set in the orchard before first blossom activity is observed. Artificial pollination may be advised when activity is limited. Increased budbreak uniformity will also facilitate chemical thinning of fruit and promote greater uniformity of fruit maturity at harvest.

There is a budbreak stimulant and will promote more uniform normal budbreak even when the maximum chill hour requirements are met.

Dormex is not a substitute for chill hours, however, a 4% (v/v) spray will stimulate more uniform bud emergence following a minimum amount of chilling (approximately 375-500 chill hours based on the threshold temperature of 43°F to 45°F).

**BLUEBERRIES** - To promote more uniform budbreak, particularly in areas of marginal chilling, to reduce the time period of fruit disease susceptibility and to promote more uniform harvest, use 1.5% to 3.0% (v/v) Dormex in 50 to 100 gallons of spray per acre to provide full coverage. Use a nozzles surface not to exceed 0.5% v/v with applications made 30 or more days prior to annual flower and vegetative budbreak.

Make applications starting in late fall or early winter before buds break off last year's foliage. The higher rate is required when the last year's foliage is to be burned off. In order to promote sufficient budbreak of the current year's buds, both vegetative and reproductive, care must be taken to determine the effects of the higher rates on varieties, even those where burning off last year's foliage has been shown to be desirable. This latter practice is particularly effective in killing overwintering pathogens giving rise to canker lesions and other diseases.

It is the grower's responsibility to identify varieties that are tolerant of the higher rates before any larger acreage is treated. To do this, take a small group of plants to be treated at the appropriate rate rates (as indicated above) under the conditions growing conditions and observe for phytotoxic symptoms before treating a large number of plants.

(In the State of Florida - use of Dormex in Alachua county, Florida is restricted from the area west of route 441, except that north of the intersection of route 441 and 175, use is also restricted west of 175 because of possible effects on the spiraled chimney cave shrimp *Palaemonetes caudatus*).

**CHERRIES** - For more uniform natural budbreak, or for earlier budbreak, leading to more uniform normal maturity or earlier maturity, apply after all pruning activities are complete, a 4% (v/v) spray in not more than 200 gallons of spray per acre using a nozzles surface not to exceed 0.5% v/v. If sufficient spray coverage cannot be achieved on very large trees with 200 gallons spray per acre, do not use Dormex. Applications should be made 30 or more days prior to normal budbreak. Spray applications should be made according to the anticipated budbreak timing required by the earliest variety within an implemanted orchard, unless each variety can be sprayed separately without significant drift or over-spray contacting previously sprayed varieties or non-target varieties. Maintain fungicide/facticide spray activities, including dormant sprays, and protect bud growth as it occurs.

When budbreak begins to occur following application of Dormex, the bloom can be compressed to a few days, depending upon the weather. In order to ensure proper pollination, a sufficient number of beehives of suitable strength to ensure adequate pollination must be set in the orchard before first bloom activity is observed. Artificial pollination may be advised when bee activity is limited.

Dormex is a budbreak stimulant and will promote more uniform normal and/or earlier budbreak even when the maximum chill hour requirements are met. However, Dormex is not a substitute for chill hours. A 4% (v/v) spray will stimulate growth following a minimum amount of chilling (approximately 350-500 chill hours based on the threshold temperature of 43°F to 45°F).

**GRAPES - WINE AND RAISIN** - For promoting increased budbreak uniformity, and to promote more uniform harvest, apply a 4% spray in not more than 100 gallons per acre applied 30 or more days prior to normal natural budbreak. This use will help overcome blind bud disorder on such wine varieties as Cabernet Sauvignon. Low vigor vines may not be able to support the amount of budbreak and shoot growth that occurs as a result of Dormex use.

**DESERT GRAPES** - For use in desert grown grapes in California Counties of Imperial, Riverside and San Bernardino and in Arizona Counties of Maricopa, Pinal and Yuma.

To promote uniform budbreak apply Dormex as a 4% (v/v) solution in water using a nozzles surface not to exceed 0.5% v/v prior to budbreak after all pruning activities are completed, including ticing of canes. Use a coarse droplet spray with nozzle pressure not to exceed 40 psi. Use a minimum number of spray nozzles to achieve adequate wetting. Three to four nozzles are usually sufficient.

Do not exceed 100 gallons of spray per acre and do not use more than 4 gallons Dormex per acre. Make only one application per crop cycle. Do not tank mix with other materials except as listed above. If applied less than four weeks prior to natural budbreak, yield may be reduced.

For earlier than normal budbreak, make the application earlier than 4 weeks prior to normal budbreak but not later than January 31 and not before December 1.

Some yellowing on the first leaves may appear but the developing growth will be normal. In determining to apply Dormex to promote earlier than normal budbreak, the user should be aware that growing buds and shoots are susceptible to frost and may be killed or damaged by freezing temperatures.

To avoid possible exposure to the endangered Coachella Valley fringe-toed lizard in the vineyards located within boundaries of the Coachella Valley Preserve, applications may not be made within 50 feet of the boundary of the Coachella Valley Preserve.

**NON-DESERT GRAPES** - For use in California Counties of Kern, Tulare, Fresno, and Madera.

To promote uniform budbreak apply Dormex as a 4% (v/v) solution in water using a nozzles surface not to exceed 0.5% v/v prior to budbreak after all pruning activities are completed, including ticing of canes. Use a coarse droplet spray with nozzle pressure not to exceed 40 psi, and a minimum number of spray nozzles to achieve adequate wetting. Three to four nozzles are usually sufficient. Do not exceed 100 gallons of total spray per acre and do not use more than 4 gallons Dormex per acre. Make only one application per crop cycle. Do not tank mix with other materials except as listed above. If applied less than four weeks prior to natural budbreak, yield may be reduced.

For earlier than normal budbreak, make the application earlier than 4 weeks prior to normal budbreak but not later than February 28 and not before January 1.

Some yellowing on the first leaves may appear but the developing growth will be normal. In determining to apply Dormex to promote earlier than normal budbreak, the user should be aware that growing buds and shoots are susceptible to frost and may be killed or damaged by freezing temperatures.

In areas where chill hour accumulation is marginal, Dormex should be applied as late as possible to permit maximum chill hour accumulation, but not later than 25 days before budbreak. Dormex will be most effective using the 4% (v/v) spray solution after the vines have accumulated a minimum of 50 hours of chilling. Low vigor and low capacity vines should not have Dormex applied any earlier than 30 days prior to anticipated normal budbreak. Vines treated too soon risk reduced yield if conditions affecting growth following application are not favorable for a sustained period.

**KIWI (California Only)** - To promote more uniform natural budbreak or earlier budbreak, particularly in areas of marginal chilling, to reduce the period of fruit susceptibility to disease, and to promote more uniform harvest, apply a 4% spray, making only one application per crop cycle, in not to exceed 100 gallons per acre. This application will also reduce the vines' susceptibility to apical dominance, therefore increasing bud fruitfulness. Do not mix with other materials except up to 0.5% (v/v) of a non-toxic surfactant. If applied less than four weeks prior to natural budbreak, yield may be reduced. For earlier than normal budbreak, make the application earlier than four weeks prior to normal budbreak.

To limit acid, use a coarse droplet nozzle, nozzle pressure must not exceed 40 psi, and spray to wet. Do not exceed 4 gallons per acre of Dormex per application.

Some yellowing on the first leaves may appear but the developing growth will be normal. In determining to apply Dormex to promote earlier than normal budbreak the user should be aware that growing buds and shoots are susceptible to frost and may be killed or damaged by freezing temperatures.

**PEACHES/NECTARINES** - (Not For Use in California) - For more uniform natural budbreak, or for earlier budbreak, leading to sharper bloom, more uniform maturity or earlier maturity, apply after all pruning activities are completed, use 1-1.5% (v/v) Dormex spray in not more than 200 gallons spray per acre using a non-toxic surfactant not to exceed 0.5% v/v. Application should be made 30 or more days prior to normal budbreak. Application less than 30 days prior to normal budbreak may result in reduced yield. In some areas, it may be possible to use lower rates if it is possible to monitor closely the accumulation of chill hours. If rates are too low and made too close to normal budbreak no results may occur.

Spray according to the anticipated budbreak timing of the earliest variety within an interplanted orchard, unless each variety can be sprayed separately without significant drift or overexposure contacting previously sprayed varieties or non-target varieties. If hand-gun spray applications are used, care must be taken not to over wet the lower portions of the tree because reduced fruitfulness will occur in the lower part of the tree as a result of phytotoxicity from increased spray dripping from the top of the tree. More uniform spray applications occur from speed sprayer treatment, resulting in more uniform distribution of material through the tree.

Dormex is a budbreak stimulant and will promote more uniform and/or earlier budbreak even when maximum chill hour requirements are met. However, Dormex is not a substitute for chill hours. A 1.5% (v/v) spray will stimulate growth following a minimum amount of chilling (approximately 300-500 chill hours based on a threshold temperature of 43°F to 45°F).

Dormex will on any orchard historically damaged by frost, such as in Southeastern states must be done with the knowledge that Dormex treated trees are equally as frost sensitive as non-treated trees. If Dormex is used to start growth even a few days early, resulting flowers and/or fruit can be subject to frost damage.

**Notes to User:** Application at rates in excess of those stated above may reduce emergence of primary buds, causing secondary bud growth which can reduce yield in the immediate crop cycle.

## STORAGE AND DISPOSAL

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Keep under cool conditions, not to exceed 20°C (68°F). Do not store in direct sunlight. Keep pesticide in original container.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## CONDITION OF SALE

1. DEGUSSA AG warrants that this product contains of the ingredients specified and is reasonably fit for the purpose stated on this label when used in accordance with the directions under normal conditions of use. No one other than an officer of DEGUSSA is authorized (and such authorization must be in writing) to make any other warranty, guarantee or direction concerning this product.
2. Because the time, place, rate of application, weather conditions and normal or abnormal conditions of use or storage are beyond DEGUSSA's control, DEGUSSA's liability is limited to replacement of product or refund of purchase price. In no event shall DEGUSSA be liable for indirect or consequential damages.

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Page \_\_\_\_ is not included in this copy.

Pages 69 through 72 are not included in this copy.

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The material not included contains the following type of information:

- ☐ Identity of product inert ingredients.
  - ☐ Identity of product impurities.
  - ☐ Description of the product manufacturing process.
  - ☐ Description of quality control procedures.
  - ☐ Identity of the source of product ingredients.
  - ☐ Sales or other commercial/financial information.
  - ☐ A draft product label.
  - ☐ The product confidential statement of formula.
  - ☐ Information about a pending registration action.
  - ☐ FIFRA registration data.
  - ☐ The document is a duplicate of page(s) \_\_\_\_\_.
  - ☐ The document is not responsive to the request.
  - ☐ Internal deliberative information.
  - ☒ Attorney-client communication.
  - ☐ Claimed confidential by submitter upon submission to the Agency.
  - ☐ Personal privacy Information
- 

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.



-----  
----- Forwarded by John Bazuin/DC/USEPA/US on 03/13/2008 02:05 PM -----

Matthew Brooks <mwbrooks01@yahoo.com>  
03/12/2008 09:49 PM

To  
John Bazuin/DC/USEPA/US@EPA  
cc

Subject  
Duomax Registration 84374-R

Hi John

I hope this is moving forward soon. Attached find revised matrix pages based on our discussion. I've also attached a draft letter for Trostberg that my client has ok'ed. As soon as you're satisfied with the matrix I will sign and send you the attached pages and sign and send this letter to Trostberg.

I am out of town next week so if there's any chance of doing these activities Friday that would be really great. Hope all is well and talk to you soon.

Sincerely  
Matt Brooks

Matthew Brooks, Ph.D.

703-266-0128 Phone  
703-266-4377 Fax  
mwbrooks01@yahoo.com



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Page \_\_\_\_ is not included in this copy.

Pages 75 through 76 are not included in this copy.

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The material not included contains the following type of information:

- ☐ Identity of product inert ingredients.
  - ☐ Identity of product impurities.
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- 

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Matthew Brooks  
<mwbrooks01@yahoo.com>  
03/17/2008 10:34 PM

To John Bazuin/DC/USEPA/US@EPA  
cc  
bcc  
Subject duomax registration

Hi John  
Is this going Ok?  
I'm out this week so I guess we'll have to finish  
everything early next week.  
-Matt

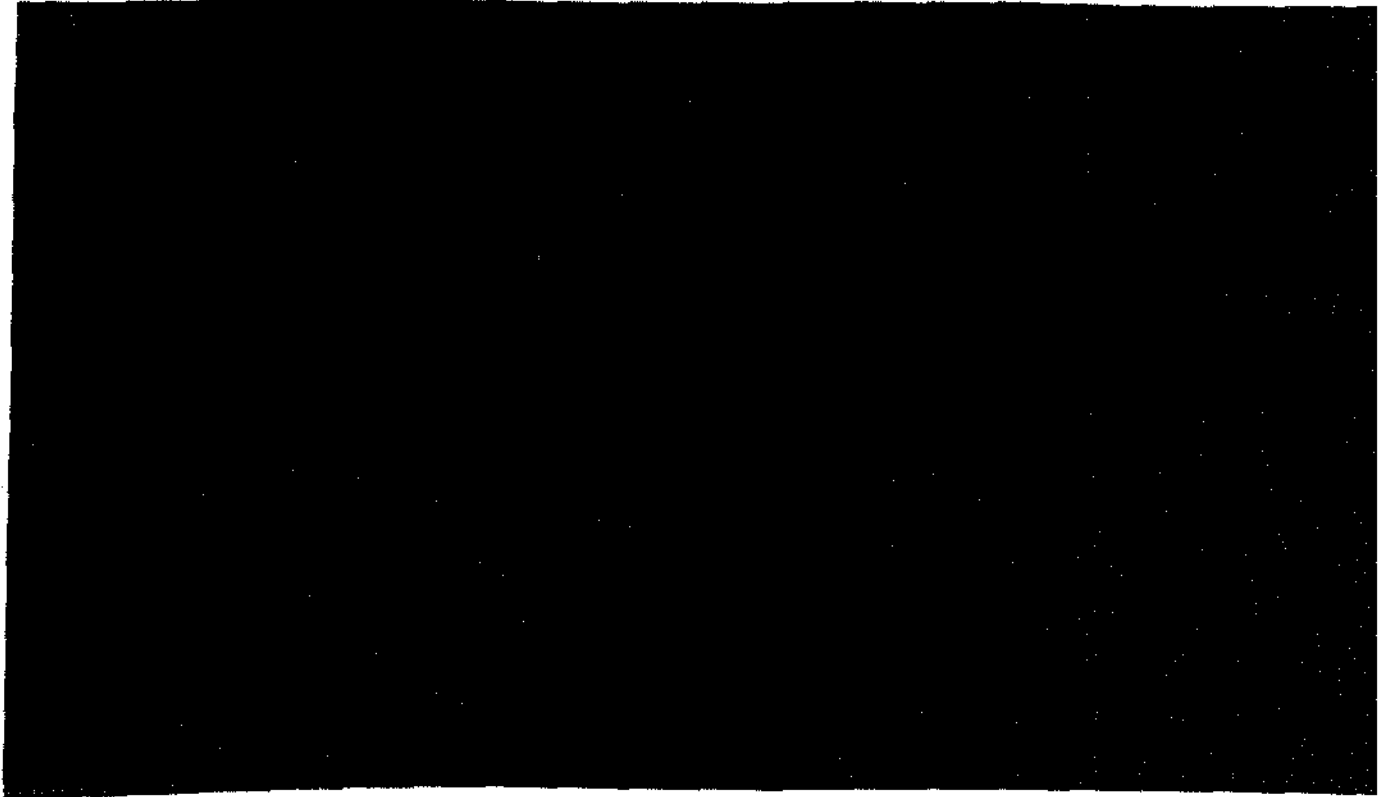
Matthew Brooks, Ph.D.  
703-266-0128 Phone  
703-266-4377 Fax  
mwbrooks01@yahoo.com



John Bazuin/DC/USEPA/US  
03/13/2008 02:05 PM

To Michele Knorr/DC/USEPA/US  
cc Tony Kish/DC/USEPA/US  
bcc  
Subject Fw: Duomax Registration 84374-R

\*Privileged attorney-client communication\*



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Matt Brooks

Matthew Brooks, Ph.D.  
703-266-0128 Phone  
703-266-4377 Fax



mwbrooks01@yahoo.com offer to pay- trostberg.doc 8570-35-Ecotox-cya-r-revmar2008.pdf



8570-35-Efate and Ecotox2-cya-r-revmar2008.pdf

\*Privileged attorney-client communication\*



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bcc  
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8570-35-Efate and Ecotox2-cya-r-revmar2008.pdf



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8570-35-Efate and Ecotox2-cya-r-revmar2008.pdf



**Ag-Chem Consulting**  
Pesticide Science and Registration  
12208 Quinque Lane, Clifton VA 20124  
(703) 266-0128 Phone (703) 266-4377 Fax  
[mwbrooks01@yahoo.com](mailto:mwbrooks01@yahoo.com)

March 3, 2008

To: **Eric Andreas**  
**Wiley Rein LLP**  
**Attorney for AlzChem trostberg GmbH**

**SUBJECT:** Registration of End Use Product Containing 50% hydrogen Cyanamide  
Offer to Pay Compensation

Dear Mr. Andreas;

Ag-Chem Consulting, on behalf of Green Trees and Plants LLC, has submitted an application to register an end use product containing hydrogen cyanamide. The source of the hydrogen cyanamide is unregistered. We have utilized the selective citation method for completing the generic requirements for the technical source and for the required six acute toxicology studies for the end use product.

Our initial submission last year utilized the studies submitted by Trostberg to obtain its original registration in 1993, consequently all were more than 15 years. In subsequent discussions with the EPA, the following studies have been determined to be required and have been added to the data matrix:

| MRID     | Guideline | Title                                                                                              | Date Submitted |
|----------|-----------|----------------------------------------------------------------------------------------------------|----------------|
| 44076701 | 72-4      | Early Life-Stage Toxicity of Hydrogen cyanamide to the rainbow trout under flow-through conditions | August 5, 1996 |
| 44076702 | 72-4      | Chronic Toxicity of Hydrogen Cyanamide to Daphnia magna under flow through conditions              | August 5, 1996 |
| 44804702 | 72-3      | Hydrogen Cyanamide: A 96 hour flow through acute toxicity test with sheepshead minnow              | April 19, 1999 |
| 44804704 | 72-3      | Hydrogen Cyanamide: A 96 hour shell deposition test with the eastern oyster                        | April 19, 1999 |
| 44804703 | 72-3      | Hydrogen Cyanamide: A 96 hour flow through acute toxicity test with Saltwater Mysid                | April 19, 1999 |

Since your company is listed as the data submitter, we are supplying this notice as required by our use of selective cite under FIFRA.

Persuant to FIFRA 3©(1)(F), Green trees and Plants LLC offers to pay compensation for the data cited above and owned by your company and submitted to EPA, to the extent required by law and enter into negotiations to determine which data, if any, may be subject to compensation and the amount and terms of any compensation due.

To the extent that you feel your company is owed compensation, please provide us with the following information so that we may evaluate your claims:

- 1- Laboratory where study was completed
- 2- Actual Cost of Study
- 3- Compensation received to date for study.

*AS*



Additionally, the following studies are being cited; however according to the Agency, they have never been reviewed. Consequently compensation can't be determined at this time since it is not possible to determine if the submitted item was a valid study. If the study is subsequently determined to be unacceptable, Green Trees will be forced to complete the study themselves to maintain the registration. If in the future they are reviewed and accepted, Green Trees agrees to negotiate with Trostberg until a compensation amount for each accepted study can be reached.

| MRID     | Guideline | Title                                                                           | Date Submitted |
|----------|-----------|---------------------------------------------------------------------------------|----------------|
| 45797201 | 71-4      | Cyanamide 50% Solution to determine effects on reproduction in bobwhite quail   | Sept 10, 2002  |
| 45380701 | 122-1     | Effects of Cyanamide on Vegetative nontarget Plant Species                      | April 17, 2001 |
| 45380702 | 122-1     | Effects of Cyanamide on Seedling Emergence                                      | April 17, 2001 |
| 45382201 | 122-2     | Toxicity of cyanamide to anabaena flos-aquae in an algal growth inhibition test | April 18, 2001 |
| 45406601 | 122-2     | Tox of Cy L 500 to Pseu. Sub. 96 hr. algal inhibition                           | April 18, 2001 |
| 45406602 | 122-2     | 96 hr. Algal Growth Inhibition                                                  | April 18, 2001 |
| 45382202 | 162-4     | Aerobic aquatic Degradation                                                     | April 18, 2001 |

Lastly, in a letter from you to the EPA dated January 17, 2008, you noted several additional studies. After exhaustive agency review, it was concluded that these studies were neither required nor relied upon to obtain or maintain the federal registration for hydrogen cyanamide. It is possible that some of these studies may be required by specific states for registration in that state. Green Trees and Plants will of course offer compensation should they be required to cite these studies for state registrations.

If you have any questions please contact Dr. Matthew Brooks, Ag-Chem Consulting, LLC, 12208 Quinke Lane Clifton VA.

Thank you.  
Very Sincerely,

Matthew Brooks, Ph.D.  
Director, Ag-Chem Consulting  
An Authorized Representative for Green Trees and Plants



**Ag-Chem Consulting**  
Pesticide Science and Registration

*Handwritten signature/initials*



**Ag-Chem Consulting**  
Pesticide Science and Registration  
12208 Quinque Lane, Clifton VA 20124  
(703) 266-0128 Phone (703) 266-4377 Fax  
[mwbrooks01@yahoo.com](mailto:mwbrooks01@yahoo.com)

March 3, 2008

To: Eric Andreas  
Wiley Rein LLP  
Attorney for AlzChem trostberg GmbH

SUBJECT: Registration of End Use Product Containing 50% hydrogen Cyanamide  
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| 44804702 | 72-3      | Hydrogen Cyanamide: A 96 hour flow through acute toxicity test with sheepshead minnow              | April 19, 1999 |
| 44804704 | 72-3      | Hydrogen Cyanamide: A 96 hour shell deposition test with the eastern oyster                        | April 19, 1999 |
| 44804703 | 72-3      | Hydrogen Cyanamide: A 96 hour flow through acute toxicity test with Saltwater Mysid                | April 19, 1999 |

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Persuant to FIFRA 3©(1)(F), Green trees and Plants LLC offers to pay compensation for the data cited above and owned by your company and submitted to EPA, to the extent required by law and enter into negotiations to determine which data, if any, may be subject to compensation and the amount and terms of any compensation due.

To the extent that you feel your company is owed compensation, please provide us with the following information so that we may evaluate your claims:

- 1- Laboratory where study was completed
- 2- Actual Cost of Study
- 3- Compensation received to date for study.

JS

Additionally, the following studies are being cited; however according to the Agency, they have never been reviewed. Consequently compensation can't be determined at this time since it is not possible to determine if the submitted item was a valid study. If the study is subsequently determined to be unacceptable, Green Trees will be forced to complete the study themselves to maintain the registration. If in the future they are reviewed and accepted, Green Trees agrees to negotiate with Trostberg until a compensation amount for each accepted study can be reached.

| MRID     | Guideline | Title                                                                           | Date Submitted |
|----------|-----------|---------------------------------------------------------------------------------|----------------|
| 45797201 | 71-4      | Cyanamide 50% Solution to determine effects on reproduction in bobwhite quail   | Sept 10, 2002  |
| 45380701 | 122-1     | Effects of Cyanamide on Vegetative nontarget Plant Species                      | April 17, 2001 |
| 45380702 | 122-1     | Effects of Cyanamide on Seedling Emergence                                      | April 17, 2001 |
| 45382201 | 122-2     | Toxicity of cyanamide to anabaena flos-aquae in an algal growth inhibition test | April 18, 2001 |
| 45406601 | 122-2     | Tox of Cy L 500 to Pseu. Sub. 96 hr. algal inhibition                           | April 18, 2001 |
| 45406602 | 122-2     | 96 hr. Algal Growth Inhibition                                                  | April 18, 2001 |
| 45382202 | 162-4     | Aerobic aquatic Degradation                                                     | April 18, 2001 |

Lastly, in a letter from you to the EPA dated January 17, 2008, you noted several additional studies. After exhaustive agency review, it was concluded that these studies were neither required nor relied upon to obtain or maintain the federal registration for hydrogen cyanamide. It is possible that some of these studies may be required by specific states for registration in that state. Green Trees and Plants will of course offer compensation should they be required to cite these studies for state registrations.

If you have any questions please contact Dr. Matthew Brooks, Ag-Chem Consulting, LLC, 12208 Quinke Lane Clifton VA.

Thank you.  
Very Sincerely,

Matthew Brooks, Ph.D.  
Director, Ag-Chem Consulting  
An Authorized Representative for Green Trees and Plants



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WASHINGTON, D.C. 20460

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DATA MATRIX

|                                                                                                                 |                                     |             |                                                |        |                 |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------|------------------------------------------------|--------|-----------------|
| Date March 3, 2008                                                                                              |                                     |             | EPA Reg No./File Symbol                        |        | Page 5 of 15    |
| Applicant's/Registrant's Name & Address<br>Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124 |                                     |             | Product<br>OuoMax                              |        |                 |
| Ingredient Hydrogen Cyanamide                                                                                   |                                     |             |                                                |        |                 |
| Guideline Reference Number                                                                                      | Guideline Study Name                | MRID Number | Submitter                                      | Status | Note            |
| 71-1                                                                                                            | Avian Acute Oral- Bobwhite Quail    | 00153783    | Alzchem Trostberg GMBH                         | Old    |                 |
| 71-1                                                                                                            | Avian Acute Oral- Mallard           | 00153784    | Alzchem Trostberg GMBH                         | Old    |                 |
| 71-2                                                                                                            | Avian Dietary LC50-Bobwhite Quail   | 00153785    | Alzchem Trostberg GMBH                         | Old    |                 |
| 71-2                                                                                                            | Avian Dietary LC50-Mallard          | 42178401    | Alzchem Trostberg GMBH                         | Old    |                 |
| 71-2                                                                                                            | Avian Dietary LC50-Bobwhite Quail   | 42178402    | Alzchem Trostberg GMBH                         | Old    |                 |
|                                                                                                                 |                                     |             |                                                |        |                 |
| 72-1                                                                                                            | Acute Toxicity- Rainbow Trout       | 00148043    | Alzchem Trostberg GMBH                         | Old    |                 |
| 72-1                                                                                                            | Acute Tox-Fish                      | 00148044    | Alzchem Trostberg GMBH                         | Old    |                 |
| 72-2                                                                                                            | Acute Tox- Daphnia                  | 00148046    | Alzchem Trostberg GMBH                         | Old    |                 |
| 72-1                                                                                                            | Acute Tox- Bluegill                 | 00153786    | Alzchem Trostberg GMBH                         | Old    |                 |
| 72-4                                                                                                            | Early Life Stage-Trout              | 44076701    | Alzchem Trostberg GMBH                         | PAY    |                 |
| 72-4                                                                                                            | Chronic Toxicity to Daphnia         | 44076702    | Alzchem Trostberg GMBH                         | PAY    |                 |
| 72-3                                                                                                            | 96hr Flow-Through Sheepshead Minnow | 44804702    | Alzchem Trostberg GMBH                         | PAY    |                 |
| 72-3                                                                                                            | 96hr Shell Deposition               | 44804704    | Alzchem Trostberg GMBH                         | PAY    |                 |
| 72-3                                                                                                            | 96 hr acute tox w/saltwater mysid   | 44804703    | Alzchem Trostberg GMBH                         | PAY    |                 |
| Signature                                                                                                       |                                     |             | Name and Title<br>Dr. Matthew Brooks, Director |        | Date<br>3/13/08 |



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| Date March 3, 2008                                                                                              |                      | EPA Reg No./File Symbol |                                                | Page 5 of 15 |                 |
| Applicant's/Registrant's Name & Address<br>Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124 |                      | Product<br>DuoMax       |                                                |              |                 |
| Ingredient Hydrogen Cyanamide                                                                                   |                      |                         |                                                |              |                 |
| Guideline Reference Number                                                                                      | Guideline Study Name | MRID Number             | Submitter                                      | Status       | Note            |
|                                                                                                                 |                      |                         | Alzchem Trostberg GMBH                         | Old          |                 |
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|                                                                                                                 |                      |                         | Alzchem Trostberg GMBH                         | PAY          |                 |
| Signature                                                                                                       |                      |                         | Name and Title<br>Dr. Matthew Brooks, Director |              | Date<br>3/13/08 |

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## INSTRUCTIONS FOR DATA MATRIX

**INSTRUCTIONS:** Identify all data submitted or cited and all submitters from whom permission has been received or to whom offers to pay have been sent by entering sufficient information in the attached matrix (photocopy and attach additional pages as necessary). Complete all columns; omission of essential information will delay approval of the registration/reregistration. On each page enter the date, Applicant's/Registrant's name, EPA Registration Number or application file symbol of the product, ingredient, page number, and total number of pages.

The Data Compensation Form entitled "Certification with Respect to Citation of Data" and the Data Matrix will be publicly available, except for the Guideline Reference Number, Guideline Study Name, and MRID Number columns after the registration/reregistration of this product has been granted or once this form is received in response to a Data-Call-In Notice. However, the information in the Guideline Reference Number, Guideline Study Name, and MRID Number columns is available through the Freedom of Information Act in association with the EPA Registration Number.

**Ingredient:** Identify the active ingredient(s) in this product for which data are cited. The active ingredient(s) are to be identified by entering the chemical name and the CAS registry number. Begin a new page for each separate active ingredient for which data are cited. If bridging data from a related chemical or representative test compound are cited, enter the identity of that chemical/representative test compound including the EPA Registration Number/File Symbol if appropriate.

If the cite-all method is used for all data supporting this particular ingredient, enter "CITE-ALL" in the Guideline Reference Number column and leave the Guideline Study Name column blank. If the cite-all method is used for a particular Guideline Reference Number enter "CITE-ALL" in the MRID Number column on the line for that Guideline Reference Number. In either case, enter all submitters to whom offers to pay have been sent on subsequent lines. (Note: if the selective method of support is used and written authorization (letter of permission) is provided, the individual Guideline Reference Number, Guideline Study Name, and MRID Number columns must still be completed.) Otherwise:

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**Submitter:** Using the most recent Data Submitters List, identify the Original Data Submitter with their current address for each study cited. The EPA assigned company number or other abbreviation may be used. Clearly explain any variations (alternate addresses, data owners not on the Data Submitters List, etc.) in footnotes to this table.

**Status:** Enter one of the following codes for each study cited, as appropriate:

OWN: I am the Original Data Submitter for this study.

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OLD: The study was submitted more than 15 years ago and all periods of compensation have expired.

PL: The study is in the public literature.

PAY: I have notified in writing the Original Data Submitter or, if the cite-all method is used, all companies listed in the most current Data Submitters List for this ingredient, and have offered (a) to pay compensation in accordance with FIFRA sections 3(c)(1)(F) and/or 3(c)(2)(B), and (b) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study(ies).

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| Date March 3, 2008                                                                                              |                                     | EPA Reg No./File Symbol |                                                | Page 5 of 15 |                 |
| Applicant's/Registrant's Name & Address<br>Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124 |                                     | Product<br>DuoMax       |                                                |              |                 |
| Ingredient Hydrogen Cyanamide                                                                                   |                                     |                         |                                                |              |                 |
| Guideline Reference Number                                                                                      | Guideline Study Name                | MRID Number             | Submitter                                      | Status       | Note            |
| 71-1                                                                                                            | Avian Acute Oral- Bobwhite Quail    | 00153783                | Alzchem Trostberg GMBH                         | Old          |                 |
| 71-1                                                                                                            | Avian Acute Oral- Mallard           | 00153784                | Alzchem Trostberg GMBH                         | Old          |                 |
| 71-2                                                                                                            | Avian Dietary LC50-Bobwhite Quail   | 00153785                | Alzchem Trostberg GMBH                         | Old          |                 |
| 71-2                                                                                                            | Avian Dietary LC50-Mallard          | 42178401                | Alzchem Trostberg GMBH                         | Old          |                 |
| 71-2                                                                                                            | Avian Dietary LC50-Bobwhite Quail   | 42178402                | Alzchem Trostberg GMBH                         | Old          |                 |
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| 72-1                                                                                                            | Acute Tox-Fish                      | 00148044                | Alzchem Trostberg GMBH                         | Old          |                 |
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| 72-1                                                                                                            | Acute Tox- Bluegill                 | 00153786                | Alzchem Trostberg GMBH                         | Old          |                 |
| 72-4                                                                                                            | Early Life Stage-Trout              | 44076701                | Alzchem Trostberg GMBH                         | PAY          |                 |
| 72-4                                                                                                            | Chronic Toxicity to Daphnia         | 44076702                | Alzchem Trostberg GMBH                         | PAY          |                 |
| 72-3                                                                                                            | 96hr Flow-Through Sheepshead Minnow | 44804702                | Alzchem Trostberg GMBH                         | PAY          |                 |
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| Applicant's/Registrant's Name & Address                              |                      | Product                 |                              |              |         |
| Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124 |                      | DuoMax                  |                              |              |         |
| Ingredient Hydrogen Cyanamide                                        |                      |                         |                              |              |         |
| Guideline Reference Number                                           | Guideline Study Name | MRID Number             | Submitter                    | Status       | Note    |
|                                                                      |                      |                         | Alzchem Trostberg GMBH       | Old          |         |
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|                                                                      |                      |                         | Alzchem Trostberg GMBH       | PAY          |         |
| Signature                                                            |                      |                         | Name and Title               |              | Date    |
|                                                                      |                      |                         | Dr. Matthew Brooks, Director |              | 3/13/08 |



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| Ingredient Hydrogen Cyanamide                                                                                   |                                                 |             |                                                |        |                 |
| Guideline Reference Number                                                                                      | Guideline Study Name                            | MRID Number | Submitter                                      | Status | Note            |
| 163-1                                                                                                           | Adsorption/Desorption in Soil                   | 42178414    | Alzchem Trostberg GMBH                         | Old    |                 |
| 163-1                                                                                                           | Soil Column Leaching                            | 42178415    | Alzchem Trostberg GMBH                         | Old    |                 |
| 164-1                                                                                                           | Soil Dissipation                                | 00148015    | Alzchem Trostberg GMBH                         | Old    |                 |
| 164-1                                                                                                           | Soil Dissipation                                | 00148018    | Alzchem Trostberg GMBH                         | Old    |                 |
| 164-1                                                                                                           | Field Soil Dissipation of Dormex                | 42178416    | Alzchem Trostberg GMBH                         | Old    |                 |
|                                                                                                                 |                                                 |             |                                                |        |                 |
| 132-1                                                                                                           | Dislodgeable Foliar Residue                     | 42178408    | Alzchem Trostberg GMBH                         | Old    |                 |
| 202-1                                                                                                           | Drift Concentration from Grapevine Applications | 42178424    | Alzchem Trostberg GMBH                         | Old    |                 |
| 71-4                                                                                                            | Reproductive effects on bobwhite quail          | 45797201    | Alzchem Trostberg GMBH                         | PAY    |                 |
| 122-1                                                                                                           | Effects of Cyanamide on nontarget plants        | 45380701    | Alzchem Trostberg GMBH                         | PAY    |                 |
| 122-1                                                                                                           | Seedling Emergence                              | 45380702    | Alzchem Trostberg GMBH                         | PAY    |                 |
| 122-2                                                                                                           | Algal Growth Inhibition                         | 45382201    | Alzchem Trostberg GMBH                         | PAY    |                 |
| 122-2                                                                                                           | 96 hr Algal Inhibition                          | 45406601    | Alzchem Trostberg GMBH                         | PAY    |                 |
| 122-2                                                                                                           | 96 hr algal inhibition                          | 45406602    | Alzchem Trostberg GMBH                         | PAY    |                 |
| 162-4                                                                                                           | Aerobic Aquatic Degradation                     | 45382202    | Alzchem Trostberg GMBH                         | PAY    |                 |
| Signature                                                                                                       |                                                 |             | Name and Title<br>Dr. Matthew Brooks, Director |        | Date<br>3/13/08 |



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| Ingredient Hydrogen Cyanamide                                                                                   |                      |                         |                                                |              |                 |
| Guideline Reference Number                                                                                      | Guideline Study Name | MRID Number             | Submitter                                      | Status       | Note            |
|                                                                                                                 |                      |                         | Alzchem Trostberg GMBH                         | Old          |                 |
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|                                                                                                                 |                      |                         | Alzchem Trostberg GMBH                         | PAY          |                 |
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|                                                                                                                 |                      |                         | Alzchem Trostberg GMBH                         | PAY          |                 |
|                                                                                                                 |                      |                         | Alzchem Trostberg GMBH                         | PAY          |                 |
| Signature                                                                                                       |                      |                         | Name and Title<br>Dr. Matthew Brooks, Director |              | Date<br>3/13/08 |

h6

## INSTRUCTIONS FOR DATA MATRIX

**INSTRUCTIONS:** Identify all data submitted or cited and all submitters from whom permission has been received or to whom offers to pay have been sent by entering sufficient information in the attached matrix (photocopy and attach additional pages as necessary). Complete all columns; omission of essential information will delay approval of the registration/reregistration. On each page enter the date, Applicant's/Registrant's name, EPA Registration Number or application file symbol of the product, ingredient, page number, and total number of pages.

The Data Compensation Form entitled "Certification with Respect to Citation of Data" and the Data Matrix will be publicly available, except for the Guideline Reference Number, Guideline Study Name, and MRID Number columns after the registration/reregistration of this product has been granted or once this form is received in response to a Data-Call-In Notice. However, the information in the Guideline Reference Number, Guideline Study Name, and MRID Number columns is available through the Freedom of Information Act in association with the EPA Registration Number.

**Ingredient:** Identify the active ingredient(s) in this product for which data are cited. The active ingredient(s) are to be identified by entering the chemical name and the CAS registry number. Begin a new page for each separate active ingredient for which data are cited. If bridging data from a related chemical or representative test compound are cited, enter the identity of that chemical/representative test compound including the EPA Registration Number/File Symbol if appropriate.

If the cite-all method is used for all data supporting this particular ingredient, enter "CITE-ALL" in the Guideline Reference Number column and leave the Guideline Study Name column blank. If the cite-all method is used for a particular Guideline Reference Number enter "CITE-ALL" in the MRID Number column on the line for that Guideline Reference Number. In either case, enter all submitters to whom offers to pay have been sent on subsequent lines. [Note: if the selective method of support is used and written authorization (letter of permission) is provided, the individual Guideline Reference Number, Guideline Study Name, and MRID Number columns must still be completed.] Otherwise:

**Guideline Reference Number:** Enter on separate lines in numerical order the Guideline Reference Numbers from 40 CFR Part 158 for all studies cited to support the registration/reregistration for this ingredient.

**Guideline Study Name:** For each Guideline Reference Number cited, enter the corresponding Guideline Study Name.

**MRID Number:** For each individual study cited in support of a Guideline Reference Number and Guideline Study Name, enter the Master Record Identification (MRID) Number listed in the Pesticide Document Management System (PDMS). Enter only one MRID Number on each line. Note that more than one MRID Number may be required per Guideline Reference Number. Note: Occasionally a study required to maintain a registration/reregistration is not associated with a Guideline Reference Number and Guideline Study Name. In such case, enter the MRID Number(s) for the study(ies).

**Submitter:** Using the most recent Data Submitters List, identify the Original Data Submitter with their current address for each study cited. The EPA assigned company number or other abbreviation may be used. Clearly explain any variations (alternate addresses, data owners not on the Data Submitters List, etc.) in footnotes to this table.

**Status:** Enter one of the following codes for each study cited, as appropriate:

- OWN: I am the Original Data Submitter for this study.
- EXC: I have obtained written permission of the Original Data Submitter to cite this exclusive-use study in support of this application.
- PER: I have obtained the permission of the Original Data Submitter to use this study in support of this application.
- OLD: The study was submitted more than 15 years ago and all periods of compensation have expired.
- PL: The study is in the public literature.
- PAY: I have notified in writing the Original Data Submitter or, if the cite-all method is used, all companies listed in the most current Data Submitters List for this ingredient, and have offered (a) to pay compensation in accordance with FIFRA sections 3(c)(1)(F) and/or 3(c)(2)(B), and (b) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study(ies).
- GAP: This Guideline data requirement is a data gap as defined in 40 CFR sections 152.83(a) and 152.96.
- FOR: I am taking the formulator's exemption for this ingredient only. Other columns of this line should be marked "NA". However, if this product is to be registered/reregistered for additional uses for which the purchased EPA registered ingredient is not supported, additional data must be submitted or cited here to support those uses.
- Note:** If additional explanation is needed, enter a footnote number in this column and attach the corresponding explanation.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
401 M Street, S.W.  
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

|                                                                                                                 |                                                 |             |                                                |        |                 |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------|------------------------------------------------|--------|-----------------|
| Date March 13, 2008                                                                                             |                                                 |             | EPA Reg No./File Symbol                        |        | Page 7 of 15    |
| Applicant's/Registrant's Name & Address<br>Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124 |                                                 |             | Product<br>DuoMax                              |        |                 |
| Ingredient Hydrogen Cyanamide                                                                                   |                                                 |             |                                                |        |                 |
| Guideline Reference Number                                                                                      | Guideline Study Name                            | MRID Number | Submitter                                      | Status | Note            |
| 163-1                                                                                                           | Adsorption/Desorption in Soil                   | 42178414    | Alzchem Trostberg GMBH                         | Old    |                 |
| 163-1                                                                                                           | Soil Column Leaching                            | 42178415    | Alzchem Trostberg GMBH                         | Old    |                 |
| 164-1                                                                                                           | Soil Dissipation                                | 00148015    | Alzchem Trostberg GMBH                         | Old    |                 |
| 164-1                                                                                                           | Soil Dissipation                                | 00148018    | Alzchem Trostberg GMBH                         | Old    |                 |
| 164-1                                                                                                           | Field Soil Dissipation of Dormex                | 42178416    | Alzchem Trostberg GMBH                         | Old    |                 |
| 132-1                                                                                                           | Dislodgeable Follar Residue                     | 42178408    | Alzchem Trostberg GMBH                         | Old    |                 |
| 202-1                                                                                                           | Drift Concentration from Grapevine Applications | 42178424    | Alzchem Trostberg GMBH                         | Old    |                 |
| 71-4                                                                                                            | Reproductive effects on bobwhite quail          | 45797201    | Alzchem Trostberg GMBH                         | PAY    |                 |
| 122-1                                                                                                           | Effects of Cyanamide on nontarget plants        | 45380701    | Alzchem Trostberg GMBH                         | PAY    |                 |
| 122-1                                                                                                           | Seedling Emergence                              | 45380702    | Alzchem Trostberg GMBH                         | PAY    |                 |
| 122-2                                                                                                           | Algal Growth Inhibition                         | 45382201    | Alzchem Trostberg GMBH                         | PAY    |                 |
| 122-2                                                                                                           | 96 hr Algal Inhibition                          | 45406601    | Alzchem Trostberg GMBH                         | PAY    |                 |
| 122-2                                                                                                           | 96 hr atgal inhibition                          | 45406602    | Alzchem Trostberg GMBH                         | PAY    |                 |
| 162-4                                                                                                           | Aerobic Aquatic Degradation                     | 45382202    | Alzchem Trostberg GMBH                         | PAY    |                 |
| Signature                                                                                                       |                                                 |             | Name and Title<br>Dr. Matthew Brooks, Director |        | Date<br>3/13/08 |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
401 M Street, S.W.  
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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DATA MATRIX

|                                                                                                                 |                      |                         |                                                |              |                 |
|-----------------------------------------------------------------------------------------------------------------|----------------------|-------------------------|------------------------------------------------|--------------|-----------------|
| Date March 13, 2008                                                                                             |                      | EPA Reg No./File Symbol |                                                | Page 7 of 15 |                 |
| Applicant's/Registrant's Name & Address<br>Green Trees and Plants II, LLC, 12208 Quinque Lane, Clifton VA 20124 |                      | Product<br>DuoMax       |                                                |              |                 |
| Ingredient Hydrogen Cyanamide                                                                                   |                      |                         |                                                |              |                 |
| Guideline Reference Number                                                                                      | Guideline Study Name | MRID Number             | Submitter                                      | Status       | Note            |
|                                                                                                                 |                      |                         | Alzchem Trostberg GMBH                         | Old          |                 |
|                                                                                                                 |                      |                         | Alzchem Trostberg GMBH                         | Old          |                 |
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|                                                                                                                 |                      |                         | Alzchem Trostberg GMBH                         | PAY          |                 |
| Signature                                                                                                       |                      |                         | Name and Title<br>Dr. Matthew Brooks, Director |              | Date<br>3/13/08 |

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PL: The study is in the public literature.

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**Note:** If additional explanation is needed, enter a footnote number in this column and attach the corresponding explanation.

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Pages 99 through 108 are not included in this copy.

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The material not included contains the following type of information:

- ☐ Identity of product inert ingredients.
  - ☐ Identity of product impurities.
  - ☐ Description of the product manufacturing process.
  - ☐ Description of quality control procedures.
  - ☐ Identity of the source of product ingredients.
  - ☐ Sales or other commercial/financial information.
  - ☐ A draft product label.
  - ☐ The product confidential statement of formula.
  - ☐ Information about a pending registration action.
  - ☐ FIFRA registration data.
  - ☐ The document is a duplicate of page(s) \_\_\_\_\_.
  - ☐ The document is not responsive to the request.
  - ☒ Internal deliberative information.
  - ☒ Attorney-client communication.
  - ☐ Claimed confidential by submitter upon submission to the Agency.
  - ☐ Personal privacy Information
- 

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.



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Pages 109 through 118 are not included in this copy.

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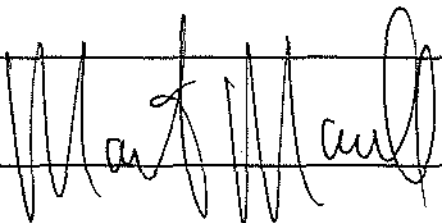
The material not included contains the following type of information:

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- 

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**Recommendation of Division Directors  
Negotiated Due Dates**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                     |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------|
| <b>Decision#:</b> D379325                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>File Symbol:</b> 84374-R                         | <b>Petition #:</b> N/A |
| <b>Fee Category:</b> R31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>PRIA Decision Time Frame:</b> 6 months           |                        |
| <b>Submitted by:</b> John Bazuin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Branch:</b> RD/FB                                | <b>Date:</b> 2/29/2008 |
| <b>Company:</b> Green Trees and Plants, LLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                     |                        |
| <b>Original Due Date:</b> 1/27/2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Proposed New Due Date:</b> 3/28/2008             |                        |
| <b>Previous Negotiated Due Dates:</b> 2/29/2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                     |                        |
| <b>Is the "Fix" In-house?</b> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>If Not, Date "Fix" Expected:</b> Not yet certain |                        |
| <p><b>Issue (describe in detail):</b> The registrant is using the Selective method of data compensation but their Data Matrix lists only old, noncompensable studies. Newer studies that have been required by the Agency should also be present on the matrix and some older, compensable and noncompensible studies may also need to be added. In addition, on Jan. 17, 2008 an agent for the principal Hydrogen Cyanamide company, AlzChem Trostberg GmbH, petitioned the Agency to cancel or deny the registration of the subject product on the grounds that Green Trees and Plants had not approached them with an offer to pay for a number of both newer and older studies (all specifically listed in the petition). Green Trees and Plants therefore requested an extension of the PRIA Due Date until the end of February 2008 to allow time for the data compensation issues to be worked out. However, near the end of February a few study-specific data compensation issues are still not fully resolved and Michele Knorr in the Office of General Council has informed Fungicide Branch that she will require more time to harmonize her response to the above AlzChem Trostberg GmbH petition with our registration of the subject product (assuming, as seems likely, that the last data compensation issues can be worked out). The few remaining study-specific data compensation issues have to do with whether several worker exposure studies were required by the Agency as opposed to some other entity (California, in this case), and whether several of the studies were acceptable or not. Green Trees and Plants believes that they should not have to pay for studies that were not required and/or that were not accepted by the Agency, so has requested further research on our part.</p> |                                                     |                        |
| <p><b>Summary of Deficiency Type(s):</b> Other: Selective data compensation but a Data Matrix that is missing studies which may be required; harmonization of the Office of General Council response to a cancel/deny registration petition concerning the subject product with registration of the product.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                     |                        |
| <p><b>Describe Interactions With the Company (describe when contacted and company's response including response to previous negotiated due dates):</b> The registrant's agent was contacted on Jan. 17, 2008 concerning the data compensation problems and possible resolutions of them. At that time he indicated a willingness to extend the PRIA Due Date to Feb. 29, 2008, if this was acceptable to his client. On the same day Wiley Rein LLP, the attorney for AlzChem Trostberg GmbH, filed a Petition to Cancel or Deny the registration of 84374-R with the Agency and the agent for Green Trees and Plants. This petition was also discussed with Green Trees and Plants' agent on Jan. 17. On Jan. 22, 2008 the agent for Green Trees and Plants requested the agreed-upon extension and had the company do the same. On Feb. 27, 2008 the registrant's agent was contacted about the remaining data compensation issues. On Feb. 28, 2008 the registrant's agent was additionally informed of the need to coordinate the response to the cancel/deny registration petition with registration of the product. At that time the registrant's agent requested that the Agency further research the requirement background and acceptability of several specific studies and also verbally agreed to an additional, 30-day extension of the PRIA Due Date. Late on Feb. 28, 2008 a request for extension of the PRIA Due Date to Mar. 28, 2008 was received from the registrant's agent.</p>                                                                                                                                                                                                                                                                                                                        |                                                     |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| <b>Was a "75-day Letter" Sent?</b> Yes, a 75-day letter was sent on Jan. 25, 2008                                                                                                                                                                                                                                                                                                                  |                                             |
| <b>Rationale for Proposed Due Date:</b> To allow adequate time for the Agency to resolve remaining data compensation issues for a few specific studies that may or may not need to be added to the Data Matrix for 84374-R and then complete the registration in harmony with the Office of General Council's response to the AlzChem Trostberg GmbH Petition to Deny or Cancel this registration. |                                             |
| <b>Registrant Notified That This is the Last Negotiation?</b> Not Applicable                                                                                                                                                                                                                                                                                                                       |                                             |
| <b>Approve:</b> <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                | <b>Disapprove:</b> <input type="checkbox"/> |
| <b>If Disapproved, Action to be Taken:</b>                                                                                                                                                                                                                                                                                                                                                         |                                             |
| <b>OD or DOD Signature:</b>                                                                                                                                                                                                                                                                                       | <b>Date:</b> 2-29-08                        |

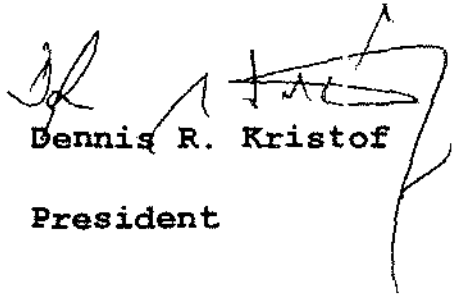
| ROUTING AND TRANSMITTAL SLIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                  | Date: 2/29/2008     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------|---------------------|
| TO: (Name, office symbol, room number, building, Agency/Post)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                  |                     |
| 1. Tony Kish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                  |                     |
| 2. Cynthia Giles-Parker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                  | Return to Cynthia ✓ |
| 3. Lois Rossi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                  |                     |
| 4. Marty Monell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |                  | [Signature] 229     |
| 5. Cynthia Giles-Parker (for file copies)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                  |                     |
| Action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | File                 | Note and Return  |                     |
| Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | For Clearance        | Per Conversation |                     |
| As Requested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | For Correction       | Prepare Reply    |                     |
| Circulate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | For Your Information | See Me           |                     |
| Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Investigate          | X                | Signature           |
| Coordination                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Justify              |                  |                     |
| <p><b>REMARKS:</b></p> <p style="text-align: center;">New negotiated PRIA Due Date for pending product 84374-R.<br/>             Eight studies are still being investigated for data compensation purposes the Office of General Council requires more time to respond to a petition to deny or cancel registration that was filed by the owner of most of the data supporting the pesticidal use of Hydrogen Cyanamide, and the two activities must be harmonized.</p> <p>DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions.</p> |                      |                  |                     |
| FROM: (Name, org. symbol, Agency/Post)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                  | Room No. - Bldg.    |
| <b>RECEIVED</b><br><b>FO</b><br>John B. [Signature] FEB 29 2008<br><div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">9633</div>                                                                                                                                                                                                                                                                                                                                        |                      |                  | S-7316              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |                  | Phone No.           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |                  | 30S-7381            |

**Green Trees & Plants, LLC.**  
**250 Lawrence Street**  
**Marietta, GA 30060**

**Date: May 1, 2007**

**To Whom It May Concern**

Green Trees and Plants LLC authorizes Ag-Chem Consulting to act on our behalf for regulatory matters involving the EPA and State Agencies for its pesticide products.

  
Dennis R. Kristof

President

122

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Page \_\_\_\_\_ is not included in this copy.

Pages 123 through 130 are not included in this copy.

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  - ☐ Identity of product impurities.
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  - ☐ Description of quality control procedures.
  - ☐ Identity of the source of product ingredients.
  - ☐ Sales or other commercial/financial information.
  - ☐ A draft product label.
  - ☐ The product confidential statement of formula.
  - ☐ Information about a pending registration action.
  - ☐ FIFRA registration data.
  - ☐ The document is a duplicate of page(s) \_\_\_\_\_.
  - ☐ The document is not responsive to the request.
  - ☐ Internal deliberative information.
  - ☒ Attorney-client communication.
  - ☐ Claimed confidential by submitter upon submission to the Agency.
  - ☐ Personal privacy Information
- 

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.

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Page \_\_\_\_\_ is not included in this copy.

Pages 131 through 133 are not included in this copy.

---

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- 

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Revised

| Recommendation of Division Directors<br>Negotiated Due Dates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                           |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------|
| <b>Decision#:</b> D379325                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>File Symbol:</b> 84374-R                                               | <b>Petition #:</b> N/A |
| <b>Fee Category:</b> R31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>PRIA Decision Time Frame:</b> 6 months                                 |                        |
| <b>Submitted by:</b> John Bazuin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Branch:</b> RD/FB                                                      | <b>Date:</b> 1/24/2008 |
| <b>Company:</b> Green Trees and Plants, LLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                           |                        |
| <b>Original Due Date:</b> 1/27/2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Proposed New Due Date:</b> 2/29/2008                                   |                        |
| <b>Previous Negotiated Due Dates:</b> None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                           |                        |
| <b>Is the "Fix" In-house?</b> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>If Not, Date "Fix" Expected:</b> Unknown; problem detailing is ongoing |                        |
| <b>Issue (describe in detail):</b> The registrant is using the Selective method of data compensation but their Data Matrix lists only old, noncompensable studies. Additional, newer, acceptable studies that have been required by the Agency should also be present on the matrix. At the same time an agent for the principal Hydrogen Cyanamide company, AlzChem Trostberg GmbH, has petitioned the Agency to cancel or deny the registration of the subject product on the grounds that Green Trees and Plants has not approached them with an offer to pay for these newer studies (which they specifically list in the petition). Green Trees and Plants has therefore requested an extension of the PRIA date until the end of February 2008 to allow time for the data compensation issues to be worked out. |                                                                           |                        |
| <b>Summary of Deficiency Type(s):</b> Other: Selective data compensation but a Data Matrix that is missing required studies.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                           |                        |
| <b>Describe Interactions With the Company (describe when contacted and company's response including response to previous negotiated due dates):</b> The registrant's agent was contacted about these problems on Jan. 17, 2008 and possible resolutions of the problem were discussed with him. He indicated a willingness to extend the PRIA due date to Feb. 29, 2008, if this was acceptable to his client. On the same day Wiley Rein LLP, the attorney for AlzChem Trostberg GmbH, filed their Petition to Cancel or Deny the registration of 84374-R with the Agency and the agent for Green Trees and Plants. On Jan. 22, 2008 the agent for Green Trees and Plants requested the agreed upon extension and had the company do the same.                                                                       |                                                                           |                        |
| <b>Was a "75-day Letter" Sent?</b> A 75-day letter will be completed today.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                           |                        |
| <b>Rationale for Proposed Due Date:</b> To allow adequate time for the Agency to research and specify the additional studies that must be added to the Data Matrix for 84374-R, including the studies specified as mandatory by the agent for AlzChem Trostberg GmbH in their Petition to Deny or Cancel this registration, and then complete the registration. We believe that the additional time is sufficient for this purpose.                                                                                                                                                                                                                                                                                                                                                                                   |                                                                           |                        |
| <b>Registrant Notified That This is the Last Negotiation?</b> Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                           |                        |
| <b>Approve:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Disapprove:</b>                                                        |                        |
| <b>If Disapproved, Action to be Taken:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                           |                        |
| <b>OD or DOD Signature:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                           | <b>Date:</b>           |

134





Tony Kish/DC/USEPA/US  
02/28/2008 05:12 PM

To Cynthia Giles-Parker/DC/USEPA/US@EPA  
cc John Bazuin/DC/USEPA/US@EPA  
bcc  
Subject Fw: Request for Extension For 84374-R

Cynthia - coming your way, friday am.

----- Forwarded by Tony Kish/DC/USEPA/US on 02/28/2008 05:11 PM -----



Matthew Brooks  
<mwbrooks01@yahoo.com>  
02/28/2008 04:22 PM

To Tony Kish/DC/USEPA/US@EPA, John  
Bazuin/DC/USEPA/US@EPA  
cc  
Subject Request for Extension For 84374-R

Hi John and Tony

See attached.  
-Matt

Matthew Brooks, Ph.D.  
703-266-0128 Phone  
703-266-4377 Fax



mwbrooks01@yahoo.com Extension request-mar2008.pdf



**Ag-Chem Consulting**  
Pesticide Science and Registration  
12208 Quinque Lane, Clifton VA 20124  
(703) 266-0128 [mwbrooks01@yahoo.com](mailto:mwbrooks01@yahoo.com)  
(703) 266-4377 Fax

February 28, 2008

To: Tony Kish  
U.S. EPA  
Office of Pesticide Programs

Subject: Registration File Symbol: 84374-R  
Request for Extension of PRIA Date for OPP Decision #D-379325

Dear Mr. Kish,

Green Trees and Plants LLC respectfully requests to extend the PRIA registration date to March 28, 2008. This extension is necessary to allow Agency review of the denial petition and ensure registration is in harmony with document.

Thank You.

Sincerely

Dr. Matthew Brooks  
AG-CHEM Consulting  
An Authorized Representative for Green Trees and Plants LLC



Matthew Brooks  
<mwbrooks01@yahoo.com>  
02/28/2008 04:22 PM

To Tony Kish/DC/USEPA/US@EPA, John  
Bazuin/DC/USEPA/US@EPA

cc

bcc

Subject Request for Extension For 84374-R

Hi John and Tony

See attached.  
-Matt

Matthew Brooks, Ph.D.  
703-266-0128 Phone  
703-266-4377 Fax



mwbrooks01@yahoo.com Extension request-mar2008.pdf



Matthew Brooks  
<mwbrooks01@yahoo.com>  
02/28/2008 04:22 PM

To Tony Kish/DC/USEPA/US@EPA, John  
Bazin/DC/USEPA/US@EPA  
cc  
bcc  
Subject Request for Extension For 84374-R

Hi John and Tony

See attached.  
-Matt

Matthew Brooks, Ph.D.  
703-266-0128 Phone  
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12208 Quinque Lane, Clifton VA 20124  
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Thank You.

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AG-CHEM Consulting  
An Authorized Representative for Green Trees and Plants LLC

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Page \_\_\_\_\_ is not included in this copy.

Pages 140 through 145 are not included in this copy.

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  - ☐ Claimed confidential by submitter upon submission to the Agency.
  - ☐ Personal privacy Information
- 

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.

Thanks,  
Tony Kish, Product Manager,  
Team 22, Fungicide Branch;  
Registration Division  
703-308-9443

----- Forwarded by Tony Kish/DC/USEPA/US on 02/28/2008 09:55 AM -----

"Andreas, Eric" <EAndreas@wileyrein.com>  
01/17/2008 03:28 PM

To  
Brenda Mallory/DC/USEPA/US@EPA  
cc  
<mwbrooks@ag-chem.com>  
Subject  
AlzChem Trostberg's Petition to Deny Against Green Trees and Plants

Dear Ms. Mallory,

Attached is AlzChem Trostberg's petition to deny the application for registration by Green Trees and Plants for a pesticide product containing the active ingredient hydrogen cyanamide. I have sent a hard copy by certified mail to both you and Green Trees' agent Dr. Brooks. Please do not hesitate to contact me if you have any questions.

Sincerely,  
Eric Andreas

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146

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Pages 147 through 148 are not included in this copy.

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Thanks,  
Tony Kish, Product Manager,  
Team 22, Fungicide Branch;  
Registration Division  
703-308-9443

----- Forwarded by Tony Kish/DC/USEPA/US on 02/28/2008 09:55 AM -----

"Andreas, Eric" <EAndreas@wileyrein.com>  
01/17/2008 03:28 PM

To  
Brenda Mallory/DC/USEPA/US@EPA  
cc  
<mwbrooks@ag-chem.com>  
Subject  
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Pages 150 through 151 are not included in this copy.

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Team 22, Fungicide Branch;  
Registration Division  
703-308-9443

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01/17/2008 03:28 PM

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Page \_\_\_\_\_ is not included in this copy.

Pages 153 through 163 are not included in this copy.

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**SIEMER & ASSOCIATES INCORPORATED**  
Consultants to Agriculture and the Chemical Industry

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## Telefax

Account Number: 4043.1

Company: US EPA

Date: Sept. 28, 2001

To: Mr. John Bazum

Receiving  
Telefax Number: 703-308-1825

From: S. R. Siemer/Terril Aal

Re: Dormex Data Matrix Forms

Dear John,

Attached are the Data Matrix forms for Dormex, EPA Reg. No. 54555-2. We tried not to leave any blank spaces, but were short some of the MRID numbers.

If any changes need to be made to these forms, let us know and we will make them immediately, prior to sending them to you by FedEx.

We very much appreciate all of your efforts on this products continuing registration.

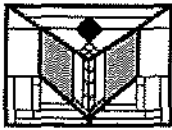
Sincerely,  
SIEMER & ASSOCIATES, INC.

*Srd. Siemer/ta*

S.R. Siemer, Ph.D.  
Regulatory Agent for  
Degussa AG

Page 1 of 11

168



Tony Kish/DC/USEPA/US  
01/17/2008 03:43 PM

To John Bazuin/DC/USEPA/US@EPA

cc Cynthia Giles-Parker/DC/USEPA/US@EPA

bcc

Subject URGENT -- 84374-R PRIA = 1/27/08 AlzChem Trostberg's  
Petition to Deny Against Green Trees and Plants

John -- We will really have to scrutinize this one before registration next week.

----- Forwarded by Tony Kish/DC/USEPA/US on 01/17/2008 03:41 PM -----



"Andreas, Eric"  
<EAndreas@wileyrein.com>  
01/17/2008 03:28 PM

To Brenda Mallory/DC/USEPA/US@EPA

cc <mwbrooks@ag-chem.com>

Subject AlzChem Trostberg's Petition to Deny Against Green Trees  
and Plants

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Sincerely,  
Eric Andreas



Eric Andreas  
Attorney At Law  
Wiley Rein LLP

1776 K Street NW  
Washington, DC 20006  
Tel: 202.719.7104 | Fax: 202.719.7049  
Email: eandreas@wileyrein.com  
www.wileyrein.com

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165-



AlzChem Petition to Deny.PDF

**Green Trees & Plants, LLC.**  
**250 Lawrence Street**  
**Marietta, GA 30060**

January 22, 2008

To: Tony Kish  
U.S. EPA  
Office of Pesticide Programs

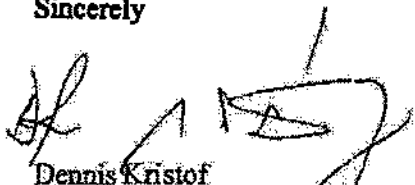
Subject: Registration File Symbol: 84374-R  
Request for Extension of PRIA Date for OPP Decision #D-379325

Dear Mr. Kish,

Green Trees and Plants LLC respectfully requests to extend the PRIA registration date to February 29, 2008. This extension is necessary to submit and give the Agency proper time to review a revised data matrix for our proposed registration. We will submit the revised data matrix no later than January 24, 2008.

Thank You.

Sincerely

  
Dennis Kristof  
President, Green Trees and Plants LLC

167





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.

**Certification with Respect to Citation of Data**

Applicant/Registrant's Name, Address, and Telephone Number  
 Green Trees and Plants II LLC

EPA Registration Number/File Symbol  
 84374-R

Active Ingredient(s) and/or representative test compound (s)  
 Hydrogen Cyanamide

Date  
 1/18/08

General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 156)  
 Terrestrial Food

Product Name  
 Duomax

**NOTE:** If your product is a 100% repackaging of any other purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and I have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

**SECTION I: METHOD OF DATA SUPPORT (Check one method only)**

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

**SECTION II: GENERAL OFFER TO PAY**

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☒ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

**SECTION III: CERTIFICATION**

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

Date  
 1/22/08

Typed or Printed Name and Title  
 Dennis Kristof, President



Tony Kish/DC/USEPA/US  
01/17/2008 05:59 PM

To John Bazuin/DC/USEPA/US@EPA  
cc  
bcc

Subject Fw: Request for Extension for Duomax registration- File  
Symbol 84374-R

Matt will send this on Green tree letterhead.

----- Forwarded by Tony Kish/DC/USEPA/US on 01/17/2008 05:58 PM -----



Matthew Brooks  
<mwbrooks01@yahoo.com>  
01/17/2008 05:02 PM

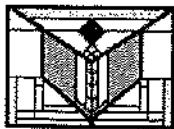
To John Bazuin/DC/USEPA/US@EPA, Tony  
Kish/DC/USEPA/US@EPA  
cc Dennis Kristof <dkristof43@hotmail.com>  
Subject Request for Extension for Duomax registration- File Symbol  
84374-R

Dear Tony,

We respectfully request an extension for OPP Decision  
number D-379325 for 1 month to February 29, 2008.  
This extension is necessary to review the additional  
data citations for our data matrix and potential data  
holder citation compensation.

Sincerely  
Matt Brooks  
An Authorized Representative for Green Trees and  
Plants LLC

Matthew Brooks, Ph.D.  
703-266-0128 Phone  
703-266-4377 Fax  
mwbrooks01@yahoo.com



Tony Kish/DC/USEPA/US  
01/17/2008 05:59 PM

To John Bazuin/DC/USEPA/US@EPA  
cc  
bcc

Subject Fw: Request for Extension for Duomax registration- File  
Symbol 84374-R

Matt will send this on Green tree letterhead.

----- Forwarded by Tony Kish/DC/USEPA/US on 01/17/2008 05:58 PM -----



Matthew Brooks  
<mwbrooks01@yahoo.com>  
01/17/2008 05:02 PM

To John Bazuin/DC/USEPA/US@EPA, Tony  
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Matthew Brooks  
<mwbrooks01@yahoo.com>  
01/17/2008 05:02 PM

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703-266-4377 Fax  
mwbrooks01@yahoo.com



Matthew Brooks  
<mwbrooks01@yahoo.com>  
01/22/2008 04:10 PM

To John Bazuin/DC/USEPA/US@EPA  
cc Tony Kish/DC/USEPA/US@EPA  
bcc  
Subject Extension for 84374-R

Hi John

See attached.

-Matt

Matthew Brooks, Ph.D.  
703-266-0128 Phone  
703-266-4377 Fax



mwbrooks01@yahoo.com Extension Forms-jan2008.pdf

[Print Version](#)

### Study Information For Ingredient 014002 / 420-04-2 / Cyanamide

| MRID  | Citation                                                                                                                                                                                                                                                                                                                                                                                                                    | Receipt Date               |
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| 2164  | Dickason, E.A.; Every, R.W. (1967) Alfalfa Weevil (Larval) Control Experiments--1967. (Unpublished study received Mar 29, 1968 under 891-EX-14; prepared by Oregon State Univ., Entomology Dept., submitted by Hercules, Inc., Agricultural Chemicals, Wilmington, Del.; CDL:126389-B)                                                                                                                                      | 29-Mar-1968                |
| 2682  | Squire, S.W. (1973) Herbicides for Seeded Tomatoes, 1973: Report No. 42319. (Unpublished study received May 6, 1976 under 3125-277; prepared by Campbell Soup Co., Ltd., ?Canada, submitted by Mobay Chemical Corp., Agricultural Chemicals Div., Kansas City, Mo.; CDL:224187-BQ)                                                                                                                                          | 06-May-1976                |
| 4377  | Childers, N.F. (19??) Bush berry culture: Chapter XXII. Pages 759- 780, 799-806, ~In~Modern Fruit Science. New Brunswick, N.J.: Rutgers Univ. (Also~In~unpublished submission received Nov 4, 1976 under 7E1882; submitted by Interregional Research Project No. 4, New Brunswick, N.J.; CDL:097579-A)                                                                                                                      | 04-Nov-1976                |
| 13016 | Overman, A.J. (1963) Results of Soil Fumigation Tests with EP-201. (Unpublished study received on unknown date under 2139-76; prepared by Univ. of Florida, Gulf Coast Experiment Station, submitted by Nor-Am Agricultural Products, Inc., Woodstock, Ill.; CDL:025254-C)                                                                                                                                                  |                            |
| 15929 | E.I. du Pont de Nemours & Company (1953) Du Pont 80% CMU Weed Kill- er for Weed Control in Asparagus. (Unpublished study received Jun 11, 1953 under 352-168; CDL:002765-A)                                                                                                                                                                                                                                                 | 11-Jun-1953<br>14-Jun-1955 |
| 25243 | Le Compte, S.B., Jr.; Alban, E.K.; Rahn, E.M.; et al. (1953) Aero Cyanate, Weedkiller--Asparagus. (Unpublished study including published data, received Aug 5, 1955 under PP0037; prepared in cooperation with Rutgers Univ., New Jersey Agricultural Experiment Station and Ohio State Univ., Agricultural Experiment Sta- tion, Dept. of Horticulture, submitted by American Cyanamid Co., Princeton, N.J.; CDL:090035-E) | 05-Aug-1955                |
| 43347 | Shaffer, C.B. (1956) Cyanamide: Limited Release Toxicity Studies: Report No. 56-5. (Unpublished study received Feb 20, 1956 under unknown admin. no.; submitted by American Cyanamid Co., Prince- ton, N.J.; CDL:107739-B)                                                                                                                                                                                                  | 20-Feb-1956<br>28-Jul-1965 |
| 43361 | American Cyanamid Company (1960?) Method for the Determination of Cyanamid on Cottonseed. Undated method. (Unpublished study received Aug 3, 1961 under unknown admin. no.; CDL:107745-A)                                                                                                                                                                                                                                   | 03-Aug-1961                |
| 43362 | American Cyanamid Company (1960) Summary of Cyanamide Residues on Ginned Cotton Seed. (Unpublished study received Aug 3, 1961 under unknown admin. no.; CDL:107745-B)                                                                                                                                                                                                                                                       | 03-Aug-1961                |
| 43363 | American Cyanamid Company (1960) Metabolism of Cyanamide in the Cotton Plant. (Unpublished study received Aug 3, 1961 under unknown admin. no.; CDL:107745-C)                                                                                                                                                                                                                                                               | 03-Aug-1961                |
| 43364 | American Cyanamid Company (19??) Manufacture of Cotton Seed Oil-- Further Arguments Supporting Absence of Cyanamid Residues. (Unpublished study received Aug 3, 1961 under unknown admin. no.; CDL:107745-D)                                                                                                                                                                                                                | 03-Aug-1961                |
|       | American Cyanamid Company (1960) Reasonable Grounds for No-Residue                                                                                                                                                                                                                                                                                                                                                          | 03-Aug-                    |

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| 43365 | Registration of Calcium cyanamide as a Cotton Defoliant. (Unpublished study received Aug 3, 1961 under unknown admin. no.; CDL:t07745-E)                                                                                                                                                                                                                 | 1961        |
| 69482 | Sueddeutsche Kalkstickstoff-Werke AG (19??) Product Chemistry: ?Alzodefl. Includes undated method entitled: Quantitative determination of the active ingredient cyanamide and the impurities dicyandiamide, urea and thiourea. (Unpublished study received Dec 20, 1977 under 35073-1; CDL:232552-A)                                                     | 20-Dec-1977 |
| 69483 | Sueddeutsche Kalkstickstoff-Werke AG (1977) Residue Chemistry: ?Alzodefl. (Unpublished study received Dec 20, 1977 under 35073-1; CDL:232552-B)                                                                                                                                                                                                          | 20-Dec-1977 |
| 69484 | Sueddeutsche Kalkstickstoff-Werke AG (1977) Environmental Chemistry: ?Alzodefl. (Unpublished study received Dec 20, 1977 under 35073-1; CDL:232552-C)                                                                                                                                                                                                    | 20-Dec-1977 |
| 69485 | SKW Trostberg Aktiengesellschaft (1977) Efficacy: ?Alzodefl. (Compilation; unpublished study, including German text, received Dec 20, 1977 under 35073-1; CDL:232552-D)                                                                                                                                                                                  | 20-Dec-1977 |
| 69486 | Sueddeutsche Kalkstickstoff-Werke AG (1977) Human Safety: ?Alzodefl. (Unpublished study received Dec 20, 1977 under 35073-1; CDL:232552-E)                                                                                                                                                                                                               | 20-Dec-1977 |
| 69487 | Centraal Instituut voor Voedingsonderzoek TNO (1973) Determination of the Acute Oral Toxicity of Cyanamid in Albino Rats. (Unpublished study received Dec 20, 1977 under 35073-1; submitted by SKW Trostberg AG, Trostberg, West Germany; CDL:232552-F)                                                                                                  | 20-Dec-1977 |
| 69488 | Kruysse, A. (1973) Acute Inhalation Toxicity Study with SKW Cyanamide L500 in Rats: Rapport Nr. R 4083. (Unpublished study received Dec 20, 1977 under 35073-1; prepared by Centraal Instituut voor Voedingsonderzoek TNO, Netherlands, submitted by SKW Trostberg AG, Trostberg, West Germany; CDL:232552-G)                                            | 20-Dec-1977 |
| 69489 | Van Beek, L. (1974) Eye Irritation Test with SKW Cyanamid L 500 in Albino Rabbits: Rapport Nr. R 4398. (Unpublished study received Dec 20, 1977 under 35073-1; prepared by Centraal Instituut voor Voedingsonderzoek TNO, Netherlands, submitted by SKW Trostberg AG, Trostberg, West Germany; CDL:232552-H)                                             | 20-Dec-1977 |
| 69490 | Van Beek, L.; Dreef-van der Meulen, H.C. (1973) Acute Dermal Toxicity Study with SKW Cyanamid L 500 in Rabbits: Rapport Nr. R 4108. (Unpublished study received Dec 20, 1977 under 35073-1; prepared by Centraal Instituut voor Voedingsonderzoek TNO, Netherlands, submitted by SKW Trostberg AG, Trostberg, West Germany; CDL:232552-I)                | 20-Dec-1977 |
| 69491 | Til, H.; Spanjers, M.T.; Van der Heijden, C.A. (1974) Range-finding (28-day) Toxicity Study with Cyanamid L500 in Albino Rats: Rapport Nr. R 4387. (Unpublished study received Dec 20, 1977 under 35073-1; prepared by Centraal Instituut voor Voedingsonderzoek TNO, Netherlands, submitted by SKW Trostberg AG, Trostberg, West Germany; CDL:232552-J) | 20-Dec-1977 |
| 69492 | Til, H.P.; Beems, R.B.; Van der Heijden, C.A. (1975) Sub-chronic (90-day) Toxicity Study with Cyanamid L500 in Albino Rats: Rapport Nr. R 4595. (Unpublished study received Dec 20, 1977 under 35073-1; prepared by Centraal Instituut voor Voedingsonderzoek TNO, Netherlands, submitted by SKW Trostberg AG, Trostberg, West Germany; CDL:232552-K)    | 20-Dec-1977 |
| 69493 | Carpenter, C.P. (1953) Special Report on Range Finding Tests on Tergitol TMN: Report 16-37. (Unpublished study received on unknown date under 7E0596; prepared by Univ. of Pittsburgh, Mellon Institute of Industrial Research, Industrial Fellowship, submitted by Office of the Commissioner, unknown location; CDL: 092887-B)                         |             |
| 69494 | Weil, C.S.; Woodside, M.D.; Bernard, J.; et al. (1962) Special Report: Results of Incorporating Tergitol TMN in the Diet of Rats for Three Months: Report 25-91. (Unpublished study received on unknown date under 7E0596; prepared by Mellon                                                                                                            |             |



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|        | Insti- tute of Industrial Research, Industrial Fellowship, submitted by Office of the Commissioner, unknown location; CDL:092887-C)                                                                                                                                                                                                                                 |                            |
| 69495  | Carpenter, C.P.; Striegel, J.A. (1960) Special Report: Range Find- ing Tests on Tergitol Nonionic TMN-10: Report 23-78. (Unpub- lished study received on unknown date under 7E0596; prepared by Univ. of Pittsburgh, Mellon Institute of Industrial Research, Industrial Fellowship, submitted by Office of the Commissioner, unknown location; CDL:092887-D)       |                            |
| 69496  | Weil, C.S.; Woodside, M.D.; Bernard, J.R. (1968) Tergitol Nonionic TMN-10: Results of Feeding in the Diets of Rats for 7 Days: Special Report 31-118. (Unpublished study received on unknown date under 7E0596; prepared by Mellon Institute, Chemical Hygiene Fellowship, submitted by Office of the Commissioner, unknown location; CDL:092887-E)                 |                            |
| 69497  | Weil, C.S.; Woodside, M.D.; Bernard, J.R.; et al. (1968) Relation- ship between Single- peroral, One-week and Ninety-day Rat Feeding Studies: Special Report 31-35. (Unpublished study received on unknown date under 7E0596; prepared by Mellon Institute, Chemi- cal Hygiene Fellowship, submitted by Office of the Commissioner, unknown location; CDL:092887-F) |                            |
| 69498  | Colwell, C.E. (1968) Letter sent to Frank J. McFarland dated Sep 11, 1968 ?Proposed amendment of requirement tolerances for Tergitol 15-S Nonionic Surfactants . (Unpublished study re- ceived on unknown date under 7E0596; prepared by Union Carbide Corp., submitted by Office of Commissioner, unknown location; CDL:092887-G)                                  |                            |
| 89504  | American Cyanamid Company (1955) ?Efficacy of Granular Cyanamid on Lettuce and Other Crops . (Unpublished study, including pub- lished data, received Aug 3, 1955 under PP0036; CDL:090034-A)                                                                                                                                                                       | 03-Aug-1955                |
| 89505  | Golz, H.H. (1951?) ?Dicyandiamide Toxicity Tests on Mice, Rats and Dogs . Summary of study 090034-C. (Unpublished study received Aug 3, 1955 under PP0036; submitted by American Cyanamid Co., New York, N.Y.; CDL:090034-B)                                                                                                                                        | 03-Aug-1955                |
| 104220 | American Cyanamid Company (1965) Toxicity Data: ?Aero^(R)I-Cyana- mid 50 : Report 65-3. (Unpublished study received 1965 under unknown admin. no.; CDL:129443-A)                                                                                                                                                                                                    | 01-Jan-1965<br>12-Oct-1965 |
| 107166 | American Cyanamid Co. (1960) Excerpt from Letter of August 17, 1960, from American Cyanamid Company to R. White, PRB, USDA. (Unpublished study received Oct 12, 1965 under 241-107; CDL: 130627-A)                                                                                                                                                                  | 12-Oct-1965                |
| 107167 | American Cyanamid Co. (1960) Reasonable Grounds for No-residue Registration of Calcium Cyanamide as a Cotton Defoliant. (Un- published study received Oct 12, 1965 under 241-107; CDL: 130627-C)                                                                                                                                                                    | 12-Oct-1965                |
| 110394 | American Cyanamid Co. (1960) Summary of Cyanamide Residues on Ginned Cotton Seed. (Unpublished study received Oct 12, 1965 under 241-107; CDL:130627-B)                                                                                                                                                                                                             | 12-Oct-1965                |
| 110395 | Shaffer, C. (1956) Cyanamide: Limited Release Toxicity Studies: Report No. 56-5. (Unpublished study received Oct 12, 1965 under 241-107; submitted by American Cyanamid Co., Princeton, NJ; CDL: 130627-H)                                                                                                                                                          | 12-Oct-1965                |
| 148011 | SKW Trostberg AG (19??) Domex Formulation of Hydrogen Cyanamide [Product Chemistry . Unpublished compilation. 138 p.                                                                                                                                                                                                                                                | 19-Jul-1985                |
| 148012 | SKW Trostberg AG (19??) Hydrogen Cyanamide Breakdown in Soil and Plant Metabolism. Unpublished summaries. 13 p.                                                                                                                                                                                                                                                     | 19-Jul-1985                |
|        | Crowther, E.; Richardson, H. (1932) The decomposition of calcium cyanamide in the                                                                                                                                                                                                                                                                                   | 19-Jul-                    |

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| 148013 | soil and its effects on germination, nitrification and soil reaction. J. Agric. Sci. 22:300-334.                                                                                                                                                                                                                                                                                                                    | 1985        |
| 148014 | Nommik, H. (1958) On decomposition of calcium cyanamide and dicyanamide in the soil. Acta Agriculturae Scandinavica VIII(4): 404-440. Stockholm.                                                                                                                                                                                                                                                                    | 19-Jul-1985 |
| 148015 | SKW Trostberg AG (1978) [Degradation of Hydrogen Cyanamide in Several Soils]. Unpublished translation of Modellversuche zum Abbau des Herbiziden Wirkstoffs Cyanamid in Drei Verschiedenen Boeden. 4 p.                                                                                                                                                                                                             | 19-Jul-1985 |
| 148016 | Bosh, M.; Amberger, A. (1983) Einfluss langjaehriger duengung mit verschiedenen N-formen auf ph-wert, humusfraktionen, biologische aktivitaet und stickstoffdynamik einer acker-braunerde [Influence of long-term fertilizing with different forms of Nitrogen fertilizer on pH, humic fractions, biological activity and dynamics of nitrogen of an arable brown earth]. Z. Pflanzen-ernaehr. Bodenk. 146:714-724. | 19-Jul-1985 |
| 148017 | SKW Trostberg AG (1981) Behavior of the Pesticide Alzodef in Water. Unpublished translation of Verhalten des Pflanzenbehandlungs- mittels Alzodef in Wasser. 11 p.                                                                                                                                                                                                                                                  | 19-Jul-1985 |
| 148018 | Amberger, A.; Niederbude, E. (1977) Reaction of Calcium Cyanamide and Its Metabolites at Metal Oxides in Quartz Sand and Soils. Unpublished translation of Umsetzung von Kalkstickstoff und dessen Metaboliten an Metalloxiden in Quarzsand und Boeden prepared by SKW Trostberg and the University of Munich. 4 p.                                                                                                 | 19-Jul-1985 |
| 148019 | SKW Trostberg AG (1984) Determination of Cyanamide Residues in Water. Unpublished study. 2 p.                                                                                                                                                                                                                                                                                                                       | 19-Jul-1985 |
| 148020 | SKW Trostberg AG (19??) [Toxicological Summaries for Hydrogen Cyanamide]. Unpublished compilation. 21 p.                                                                                                                                                                                                                                                                                                            | 19-Jul-1985 |
| 148021 | Engel, C. (1973) Determination of the Acute Oral Toxicity of Cyanamide in Albino Rats. Unpublished study prepared by Central Institute for Nutrition and Food Research TNO, Zeist. 2 p.                                                                                                                                                                                                                             | 19-Jul-1985 |
| 148022 | Van Beek, L.; Dreef-Van der Mewen, H. (1973) Acute Dermal Toxicity Study with SKW Cyanamid L 500 in Rabbits: Report No. R 4108. Unpublished study prepared by Central Institute for Nutrition and Food Research TNO, Zeist. 8 p.                                                                                                                                                                                    | 19-Jul-1985 |
| 148023 | Kruysse, A. (1973) Acute Inhalation Toxicity Study with SKW Cyanamid L500 in Rats: Report No. R 4083. Unpublished study prepared by Central Institute for Nutrition and Food Research TNO, Zeist. 2 p.                                                                                                                                                                                                              | 19-Jul-1985 |
| 148024 | Van Beek, L. (1974) Eye Irritation Test with SKW Cyanamid L 500 in Albino Rabbits: Report No. R 4398. Unpublished study prepared by Central Institute for Nutrition and Food Research TNO, Zeist. 2 p.                                                                                                                                                                                                              | 19-Jul-1985 |
| 148025 | VanBeek, L. (1984) Primary Skin Irritation Tests with Three Aqueous Dilutions of Alzodef in Albino Rabbits: Report No. V84.090/2300- 61. Unpublished study prepared by Central Institute For Nutrition and Food Research TNO. 4 p.                                                                                                                                                                                  | 19-Jul-1985 |
| 148026 | Til, H.; Veldhuysen, D. (1982) Sensitization Test With SKW-Cyanamid F 1000 in Guinea Pigs: Report No. V. 82.096/220063. Unpublished study prepared by Central Institute for Nutrition and Food Research TNO. 16 p.                                                                                                                                                                                                  | 19-Jul-1985 |
| 148027 | Til, H.; Spanjers, M.; Van der Heijden, C. (1974) Range-finding (28 day) Toxicity Study with Cyanamid L 500 in Albino Rats: Report No. R 4387. Unpublished study prepared by Central Institute for Nutrition And Food Research TNO. 6 p.                                                                                                                                                                            | 19-Jul-1985 |
| 148028 | Til, H.; Beems, R.; Van der Heijden, C. (1975) Sub-chronic (90-day) Toxicity Study with Cyanamid L 500 in Albino Rats: Report No. R 4595. Unpublished study prepared by Central Institute for Nutrition and Food Research. 12 p.                                                                                                                                                                                    | 19-Jul-1985 |
|        | Til, H.; Bruyntjes, J.; Beems, R.; et al. (1982) Sub-chronic (90- day) Oral Toxicity Study                                                                                                                                                                                                                                                                                                                          |             |

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| 148029 | with Alzodef in Dogs: Report No. V 82. 084/210694. Unpublished study prepared by Central Institute for Nutrition and Food Research TNO. 226 p.                                                                                                                                                                        | 19-Jul-1985 |
| 148030 | National Cancer Institute (19??) Bioassay of Calcium Cyanamide for Possible Carcinogenicity. Bethesda, Md: U.S. Dept. of Health, Education and Welfare, Public Health Service; DHEW Publication No. (NIH) 79-1719. 111 p.                                                                                             | 19-Jul-1985 |
| 148031 | Koeter, H.; Van Marwijk, M. (1984) Oral Embryotoxicity/Teratogenicity Study with an Aqueous Cyanamide Solution (content 49%) in New Zealand White Rabbits: Final Report: Report No. V 84.444/240171 Unpublished study prepared by Central Institute for Nutrition and Food Research TNO. 147 p.                       | 19-Jul-1985 |
| 148032 | Van Marwijk, M.; Koeter, H. (1984) Protocol for an Oral Two-generation Reproduction Study with an Aqueous Cyanamide Solution (Content 49%) in Rats. Unpublished protocol prepared by Central Institute For Nutrition and Food research TNO. 25 p.                                                                     | 19-Jul-1985 |
| 148033 | Willems, M. (1978) Evaluation of Two Products CCA and CA in the Salmonella/Microsome Mutagenicity Test: Report No. R 5707. Unpublished study; 8 p.                                                                                                                                                                    | 19-Jul-1985 |
| 148034 | De Raat, W. (1979) An investigation into the Sister Chromatid Exchange Induction in Chinese Hamster Ovary Cells by a Sample of "Kalkstickstoff": Report No. CL/78/120. Unpublished study prepared by Central Institute for Food and Nutrition Research TNO. 8 p.                                                      | 19-Jul-1985 |
| 148035 | Menargues, A.; Obach, R.; Valles, J. (1984) An evaluation of the mutagenic potential of cyanamide using the micronucleus test. Mutation Research 136:127-129.                                                                                                                                                         | 19-Jul-1985 |
| 148036 | Willems, M. (1979) Evaluation of "Kalkstickstoff" and "Thioharnstoff" in the micronucleus Test: Report No. R 6012. Unpublished study prepared by Central Institute for Nutrition and Food Research TNO. 7 p.                                                                                                          | 19-Jul-1985 |
| 148037 | Shirota, F.; Nagasawa, H.; Kwon, C.; et al. (1984) N-Acetylcyanamide, the major urinary metabolite of cyanamide in rat, rabbit, dog, and man. Drug Metabolism and Distribution 12(3):337-344.                                                                                                                         | 19-Jul-1985 |
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| 148039 | SKW Trostberg AG (19??) [Toxicological Testing of Aquatic Organisms]. Unpublished summaries. 5 p.                                                                                                                                                                                                                     | 19-Jul-1985 |
| 148040 | Bodden, R. (19??) Avian Single-dose Oral LD50 in Mallard Duck. Unpublished protocol prepared by Hazleton Laboratories America, Inc. 7 p.                                                                                                                                                                              | 19-Jul-1985 |
| 148041 | Bodden, R. (19??) Avian Dietary LC50 Mallard Duck. Unpublished protocol prepared by Hazleton Laboratories America, Inc. 7 p.                                                                                                                                                                                          | 19-Jul-1985 |
| 148042 | Bodden, R. (19??) Avian Dietary LC50 Bobwhite Quail. Unpublished protocol prepared by Hazleton Laboratories America, Inc. 7 p.                                                                                                                                                                                        | 19-Jul-1985 |
| 148043 | Barrows, B. (1985) The Acute Toxicity of Hydrogen Cyanamide to the Rainbow Trout (-), in a Static Test System: Project No. 85E-038RT. Unpublished study prepared by Biospherics Inc. 11 p.                                                                                                                            | 19-Jul-1985 |
| 148044 | Riechenbach-Klinke (1975) Research Report on the Fish Toxicity of the Product Alzogur. Unpublished translation of Gutachten ueber die Fischtoxizitaet des Praeparates Alzogur prepared by SKW Trostberg AG and Institut fuer Zoologie und Hydrobiologie Fachbereich Tiermedizin der Universitaet Muenchen. 4 p.       | 19-Jul-1985 |
|        | Biospherics Inc. (19??) Static Acute Toxicity Test to Bluegill Sunfish (---): Protocol                                                                                                                                                                                                                                | 19-Jul-1985 |

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| 148045   | #AQ-101. Unpublished protocol. 9 p.                                                                                                                                                                                                                                                                    | 08-May-1986 |
| 148046   | Adema, D. (1983) The Acute Toxicity of Alzodef to Daphnia magna: Report No. R 83/198. Unpublished study prepared by Netherlands Organization for Applied Scientific Research. 13 p.                                                                                                                    | 19-Jul-1985 |
| 149183   | Skw Trostberg AG (19??) Residue Chemistry [of Hydrogen Cyanamide]. Unpublished compilation. 219 p.                                                                                                                                                                                                     | 19-Jul-1985 |
| 153781   | Beck, L. (1982) Primary Dermal Irritation/Corrosion Test with SKW Cyanamid L 500 in Albino Rats: B82-0061-4. Unpublished study prepared by CIVO Institutes Tno. 5 p.                                                                                                                                   | 14-Nov-1985 |
| 153782   | Beck, L. (1974) Eye Irritation Test with SKW Cyanamid L 500 in Albino Rabbits: Report Nr 4398. Unpublished study prepared by Centraal Instituut Voor Voedingsonderzoek Tno. 5 p.                                                                                                                       | 14-Nov-1985 |
| 153783   | Robaidek, E. (1985) Avian Single-dose Oral LD50 Bob White Quail (Colinus virginianus) [Using Hydrogen Cyanamide]: Revised Final Report: Study No. 6026-504. Unpublished study prepared by Hazleton Laboratories America, Inc. 33 p.                                                                    | 14-Nov-1985 |
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|          |                                                                                                                                                                                                                                                                                                                   |             |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 44804702 | Final Report: Lab Project Number: 248A-103. Unpublished study prepared by Wildlife International Ltd. 41 p.                                                                                                                                                                                                       | t999        |
| 44804703 | Gettmann, W.; Drottler, K.; Kruegar, H. (1998) Hydrogen Cyanamide: A 96-Hour Flow-Through Acute Toxicity Test with the Saltwater Mysid ( <i>Mysidopsis bahia</i> ): Final Report: Lab Project Number: 248A-102. Unpublished study prepared by Wildlife International Ltd. 42 p.                                   | 19-Apr-1999 |
| 44804704 | Gettmann, W.; Drottler, K.; Kruegar, H. (1998) Hydrogen Cyanamide: A 96-Hour Shell Deposition Test with the Eastern Oyster ( <i>Crassostrea virginica</i> ): Final Report: Lab Project Number: 248A-104. Unpublished study prepared by Wildlife International Ltd. 40 p.                                          | 19-Apr-1999 |
| 45315600 | US EPA (2001) Submission of Product Chemistry, Toxicity and Risk and Exposure Assessment Data in Support of the Registration of Cyanamide. Transmittal of 1 Study.                                                                                                                                                | 30-Jan-2001 |
| 45315601 | US EPA (1991) Cyanamide. Excerpt from Documentation of the Threshold Limit Values and Biological Exposure Indices. 6th Ed. 3 p.                                                                                                                                                                                   | 30-Jan-2001 |
| 45354400 | SKW Trostberg AG (2001) Submission of Environmental Fate, Toxicity and Risk Assessment Data in Support of the Registration of Dormex. Transmittal of 1 Study.                                                                                                                                                     | 16-Mar-2001 |
| 45354401 | Siemer, S. (2001) Response to EFED Document Dated March 16, 1999 for Dormex. Unpublished study prepared by Siemer & Associates, Inc. 290 p.                                                                                                                                                                       | 16-Mar-2001 |
| 45365700 | SKW Trostberg AG (2001) Submission of Risk Assessment and Exposure Data in Support of the Registration of Dormex. Transmittal of 1 Study.                                                                                                                                                                         | 22-Mar-2001 |
| 45365701 | Siemer, S. (1995) The Evaluation of Worker Exposure During Loading and Spray Application of Dormex to Dormant Grapevines: Lab Project Number: 924043.1.15-1. Unpublished study prepared by Siemer & Associates, Inc. and SKW Trostberg AG. 732 p.                                                                 | 22-Mar-2001 |
| 45380700 | SKW Trostberg AG (2001) Submission of Toxicity Data in Support of the Registration of Dormex. Transmittal of 2 Studies.                                                                                                                                                                                           | 17-Apr-2001 |
| 45380701 | Meister, A. (2000) Effects of Cyanamide L 500 on the Vegetative Nontarget Plant Species: Tier I: Vegetative Vigor Limit Test: Final Report: Lab Project Number: 7042087: 851-002. Unpublished study prepared by Institut für Biologische Analytik und Consulting IBACON GmbH. 64 p. {OPPTS 850.4150}              | 17-Apr-2001 |
| 45380702 | Meister, A. (2000) Effects of Cyanamide L 500 on the Seedling Emergence of Nontarget Plant Species: Tier I: Seedling Emergence Limit Test: Final Report: Lab Project Number: 7041086: 851-001. Unpublished study prepared by Institut für Biologische Analytik und Consulting IBACON GmbH. 89 p. {OPPTS 850.4100} | 17-Apr-2001 |
| 45382200 | SKW Trostberg AG (2001) Submission of Environmental Fate and Toxicity Data in Support of the Registration of Dormex. Transmittal of 2 Studies.                                                                                                                                                                    | 18-Apr-2001 |
| 45382201 | Hertl, J. (2000) Toxicity of SKW Cyanamide L 500 to <i>Anabaena flos-aquae</i> in an Algal Growth Inhibition Test: Final Report: Lab Project Number: 6677210. Unpublished study prepared by Institut für Biologische Analytik und Consulting IBACON GmbH. 78 p.                                                   | 18-Apr-2001 |
| 45382202 | Volkl, S. (2000) (Carbon 14)-Cyanamide Route and Rate of Degradation in Aerobic Aquatic Systems: Lab Project Number: 744952. Unpublished study prepared by RCC, Ltd. 177 p.                                                                                                                                       | 18-Apr-2001 |
| 45406600 | Degussa AG (2001) Submission of Toxicity Data in Support of the Registration of Dormex. Transmittal of 2 Studies.                                                                                                                                                                                                 | 18-Apr-2001 |
| 45406601 | Seyfried, B. (2000) Toxicity of Cyanamide L 500 to <i>Pseudokirchneriella subcapitata</i> (Formerly <i>Selenastrum capricornutum</i> ) in a 96-Hour Algal Growth Inhibition Test: Lab Project Number: 744963. Unpublished study prepared by RCC Ltd. 76 p. {OPPTS                                                 | 18-Apr-2001 |

|            |                                                                                                                                                                                                                                                                                                                      |             |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
|            | 850.5400}                                                                                                                                                                                                                                                                                                            |             |
| 45406602   | Hertl, J. (2000) Toxicity of SKW Cyanamide L 500 to the Aquatic Plant Lemna gibba in a Growth Inhibition Test: Final Report: Lab Project Number: 6679240. Unpublished study prepared by Institut für Biologische Analytik und Consulting IBACON GmbH. 76 p. {OPPTS 850.4400}                                         | 18-Apr-2001 |
| 45407400   | Degussa AG (2001) Submission of Risk Assessment and Exposure Data in Support of the Registration of Dormex. Transmittal of 3 Studies.                                                                                                                                                                                | 22-Mar-2001 |
| 45407401   | Hicks, S. (1998) The Evaluation of Spray Applicator Exposure During Airblast Spray Application of Dormex to Dormant Fruit Trees: Lab Project Number: 952043.15: 954043.15. Unpublished study prepared by Siemer & Associates, Inc. 1280 p.                                                                           | 22-Mar-2001 |
| 45407402   | Siemer, S. (1990) The Determination of N-acetylcyanamide in Urine of Workers Exposed to Dormex, as a Measure of Exposure: Lab Project Number: 884043.15-2. Unpublished study prepared by Siemer & Associates, Inc. 940 p.                                                                                            | 22-Mar-2001 |
| 45407403   | Siemer, S. (1988) Dormex Application to Dormant Grapevine--Worker Exposure; Mixer/Loader, Applicator, Supervisor, Soil Surface Dissipation: Lab Project Number: 874043.15: TTL.PG2/4043.15. Unpublished study prepared by Siemer & Associates, Inc. 1596 p.                                                          | 22-Mar-2001 |
| 45797200   | Degussa AG (2002) Submission of Toxicity Data in Support of the Registration of Degussa AG Dormex. Transmittal of 1 Study.                                                                                                                                                                                           | 10-Sep-2002 |
| * 45797201 | Johnson, A. (2001) Cyanamide 50% Solution Assessment to Determine the Effects on Reproduction in the Bobwhite Quail: Lab Project Number: STB 017/003921: STB/017. Unpublished study prepared by Huntingdon Life Science, Ltd. 307 p.                                                                                 | 10-Sep-2002 |
| 45797400   | Bayer CropSciences (2002) Submission of Environmental Fate Data in Support of the Petition for Tolerance of (Inert Ingredient) for Use on Rice. Transmittal of 1 Study.                                                                                                                                              | 01-Nov-2002 |
| * 45797401 | Huang, M. (2002) Uptake of (Carbon 14)-(Inert Ingredient) Residues in Soil by Rotational Crops Under Flooded Confined Conditions: Lab Project Number: 602CA. Unpublished study prepared by Bayer CropScience. 28 p. {OPPTS 860.1850}                                                                                 | 01-Nov-2002 |
| 46280300   | Degussa Ag. (2004) Submission of Toxicity, Environmental Fate, Risk and Exposure Data in Support of the Amended Registration of Dormex. Transmittal of 2 Studies.                                                                                                                                                    | 24-May-2004 |
| 46280301   | Cochran, R. (1993) Hydrogen Cyanamide: Risk Characterization Document. Unpublished study prepared by California Dept. of Pesticide Regulation. 81 p.                                                                                                                                                                 | 24-May-2004 |
| * 46280302 | Ross, J. (2002) Hydrogen Cyanamide: Evaluation of Potential Vineyard and Fruit Tree Applicator Exposures While Using Personal Equipment and Engineering Controls. Project Number: 01SAS t01/R11. Unpublished study prepared by Infoscience.Com, Inc. 68 p.                                                           | 24-May-2004 |
| 46376000   | Zhejiang Tide CropScience Co., Ltd. (2004) Submission of Product Chemistry Data in Support of the Application for Registration of Krop-Max. Transmittal of 3 Studies.                                                                                                                                                | 01-Oct-2004 |
| 46376001   | Kay, J.; Kellogg, M. (2004) Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits for Krop-Max. Project Number: TI/200401. Unpublished study prepared by Zhejiang Crop Science Co., Ltd. 36 p. | 01-Oct-2004 |
| 46376002   | Wang, Q. (2004) The Qualitative and Quantitative Analysis of Technical Cyanamide. Project Number: TI/200402. Unpublished study prepared by Institute of Elemento-Organic Chemistry. 31 p.                                                                                                                            | 01-Oct-2004 |
| 46376003   | Sikod, B. (2004) Product Chemistry : End-Use Product: Hydrogen Cyanamide 50% Solution: Final Report. Project Number: 8362/04. Unpublished study prepared by Stillmeadow, Inc. 12 p.                                                                                                                                  | 01-Oct-2004 |

\*Internal deliberative information\*

|                 |                                                                                                                                                                                                                                                                                |             |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 46947900        | Degussa AG (2006) Submission of Exposure and Risk Data in Support of the Registration of Dormex. Transmittal of 1 Study.                                                                                                                                                       | 03-Oct-2006 |
| 46947901        | Ross, J.; Driver, J. (2006) Hydrogen Cyanamide: Comment on EPA's Review of Registrant Request for Label Change Involving Personal Protective Equipment and Engineering Controls. Project Number: 06BIO101/R1. Unpublished study prepared by Infoscientific.com, Inc. 64 p.     | 03-Oct-2006 |
| 47132600        | Green Trees and Plants, LLC (2007) Submission of Product Chemistry Data in Support of the Application for Registration of Duomax. Transmittal of 2 Studies.                                                                                                                    | 18-May-2007 |
| 47132601        | Brooks, M. (2007) Hydrogen Cyanamide, Product Chemistry, Group A: Product Identity, Composition and Analytical Test Guidelines and Group B: Physical and Chemical Properties Test Guidelines. Project Number: GTP/001. Unpublished study prepared by Ag-Chem Consulting. 23 p. | 18-May-2007 |
| 47132602        | Brooks, M. (2007) DuoMax, Product Chemistry, Group A: Product Identity, Composition and Analytical Test Guidelines and Group B: Physical and Chemical Properties Test Guidelines. Project Number: GTP/002. Unpublished study prepared by Ag-Chem Consulting. 19 p.             | 18-May-2007 |
| Total Rows: 224 |                                                                                                                                                                                                                                                                                |             |

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Last updated on February 4, 2004, Version 1.4  
<http://dcopp10gas01:7777/pls/prism10p>

**Green Trees & Plants, LLC.**  
**250 Lawrence Street**  
**Marietta, GA 30060**

January 22, 2008

To: Tony Kish  
U.S. EPA  
Office of Pesticide Programs

Subject: Registration File Symbol: 84374-R  
Request for Extension of PRIA Date for OPP Decision #D-379325

Dear Mr. Kish,

Green Trees and Plants LLC respectfully requests to extend the PRIA registration date to February 29, 2008. This extension is necessary to submit and give the Agency proper time to review a revised data matrix for our proposed registration. We will submit the revised data matrix no later than January 24, 2008.

Thank You.

Sincerely



Dennis Kristof

President, Green Trees and Plants LLC



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.

**Certification with Respect to Citation of Data**

|                                                                                                            |                                               |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Applicant's/Registrant's Name, Address, and Telephone Number<br>Green Trees and Plants II LLC              | EPA Registration Number/Fas Symbol<br>84374-R |
| Active Ingredient(s) and/or representative test compound(s)<br>Hydrogen Cyanamide                          | Date<br>1/18/08                               |
| General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158)<br>Terrestrial Food | Product Name<br>Duomax                        |

**NOTE:** If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

**SECTION I: METHOD OF DATA SUPPORT (Check one method only)**

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

**SECTION II: GENERAL OFFER TO PAY**

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☒ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

**SECTION III: CERTIFICATION**

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or this Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

Date

1/22/08

Typed or Printed Name and Title

Dennis Kristof, President



Matthew Brooks  
<mwbrooks01@yahoo.com>  
01/22/2008 04:10 PM

To John Bazuin/DC/USEPA/US@EPA  
cc Tony Kish/DC/USEPA/US@EPA  
bcc  
Subject Extension for 84374-R

Hi John

See attached:

-Matt

Matthew Brooks, Ph.D.  
703-266-0128 Phone  
703-266-4377 Fax



mwbrooks01@yahoo.com Extension Forms-jan2008.pdf





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**WASHINGTON, D.C. 20460**

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Mathew Brooks  
Ag-Chem Consulting  
Agent for: Green Trees and Plants, LLC  
12208 Quinque Lane  
Clifton, Virginia 20124

**Subject: EPA File Symbol 84374-R, Decision D379325**  
**DuoMax**  
**Application, dated July 16, 2007, to register a new end-use product**

Dear Mr. Brooks,

Our records indicate that the date by which EPA must make a decision regarding the subject application, pursuant to the Pesticide Registration Improvement Act (PRIA), is January 27, 2008. By means of this letter, the Agency is informing you that review of the application package has identified deficiencies which make the application unacceptable. These deficiencies are specified below.

This determination is not a denial of your application pursuant to section 3(c)(6) of FIFRA. Pursuant to 40 CFR 152.105, you have 75 days from the date of this letter to address the deficiencies stated in this letter or to notify the Agency when the information will be submitted to address the deficiencies.

Based on a product chemistry review performed by the Technical Review Branch (copy attached) the following deficiency has been noted.

The Certification with Respect to Citation of Data indicates that the method of data support for the pending product is Selective but the Data Matrix fails to list a number of studies that are or may be required to be cited to make this data support complete. These studies potentially include at least those in the list that begins on the following page.

| <u>MRID No.</u> | <u>Guideline<br/>Reference<br/>Number</u> | <u>Study Title</u>                                                                                                                                       |
|-----------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 440767-01       | 72-4                                      | Early Life-stage Toxicity of Hydrogen Cyanamide to the Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) Under Flow-through Conditions                        |
| 440767-02       | 72-4                                      | Chronic Toxicity of Hydrogen Cyanamide to <i>Daphnia magna</i> Under Flow-through Test Conditions                                                        |
| 448047-02       | 72-3                                      | Hydrogen Cyanamide: A 96-hour Flow-through Acute Toxicity Test with the Sheepshead Minnow ( <i>Cyprinodon variegatus</i> )                               |
| 448047-04       | 72-3                                      | Hydrogen Cyanamide: A 96-hour Shell Deposition Test with the Eastern Oyster ( <i>Crassostrea virginica</i> )                                             |
| 448047-03       | 72-3                                      | Hydrogen Cyanamide: A 96-hour Flow-through Acute Toxicity Test with the Saltwater Mysid ( <i>Mysidopsis bahia</i> )                                      |
| 457972-01       | 71-4                                      | Cyanamide 50% Solution Assessment to Determine the Effects on Reproduction in the Bobwhite Quail                                                         |
| 429064-01       | 85-1                                      | Metabolism of (Carbon 14)-Hydrogen Cyanamide in Rats (Preliminary and Definitive Phases)                                                                 |
| 453807-01       | 122-1                                     | Effects of Cyanamide L 500 on the Vegetative Nontarget Plant Species: Tier I: Vegetative Vigor Limit Test                                                |
| 453807-02       | 122-1                                     | Effects of Cyanamide L 500 on the Seedling Emergence of Nontarget Plant Species: Tier I: Seedling Emergence Limit Test                                   |
| 453822-01       | 122-2                                     | Toxicity of SKW Cyanamide L 500 to <i>Anabaena flos-aquae</i> in an Algal Growth Inhibition Test                                                         |
| 454066-01       | 122-2                                     | Tox of Cy L 500 to <i>Pseudokirchneriella subcapitata</i> 96-hour Algal Inhibition                                                                       |
| 454066-02       | 122-2                                     | Toxicity of Cyanamide L 500 to <i>Pseudokirchneriella subcapitata</i> (Formerly <i>Selemastrium capricornutum</i> ) in a 96-hour Algal Growth Inhibition |
| 453657-01       | 133-3,<br>133-4                           | The Evaluation of Worker Exposure During Loading and Spray Application of Dormex to Grapevines                                                           |
| 454074-01       | 133-3,<br>133-4                           | The Evaluation of Spray Applicator Exposure During Airblast Spray Application of Dormex to Dormant Fruit Trees                                           |
| 454074-02       | 133-3,                                    | The Determination of N-acetylcyanamide in Urine of Workers Exposed to Dormex, as a Measure of Exposure                                                   |
| 454074-03       | 133-3,<br>133-4                           | Dormex Application to Dormant Grapevine - Worker Exposure; Mixer/Loader, Applicator, Supervisor, Soil Surface Dissipation                                |
| 453822-02       | 162-4                                     | (Carbon 14)-Cyanamide Route and Rate of Degradation in Aerobic Aquatic Systems                                                                           |

Guideline requirements Storage Stability (GRN 830.6317) and Corrosion Characteristics (GRN 6320) are also data gaps, but can be submitted, as conditional data, following registration of the product.

You must respond to the Agency, within 75 days of the date of this letter, with a discussion or submission addressing the above deficiencies, including (as applicable) how and when they will be corrected. Additionally, it may be necessary to again renegotiate the Agency due date for this PRIA Action, depending upon the date you identify as the point when the deficiencies will be addressed or the date on which the deficiencies are, in fact, addressed.

Sincerely,

Tony Kish, Product Manager (22)  
Fungicide Branch  
Registration Division (7505P)

195

11/11/08

84374-R

- 1) TRB reviews back.  
only need is Storage  
Stability/Corrosion  
Characteristics.
- 2) Do data comp.
- 3) Do labeling.

Call Matt Brooks  
at 9:00 a.m. on  
Tues.

Do a  
84374-R  
75-day  
letter &  
Due Date ex-  
tension form



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**WASHINGTON, D.C. 20460**

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

JAN 25 2008

Mathew Brooks  
Ag-Chem Consulting  
Agent for: Green Trees and Plants, LLC  
12208 Quinque Lane  
Clifton, Virginia 20124

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**DuoMax**  
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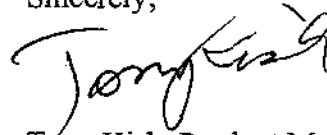
197

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Sincerely,

A handwritten signature in black ink, appearing to read "Tony Kish". The signature is fluid and cursive, with the first name "Tony" being more prominent than the last name "Kish".

Tony Kish, Product Manager (22)  
Fungicide Branch  
Registration Division (7505P)

Dana  
Friedman/DC/USEPA/US  
02/04/2008 11:25 AM

To Tony Kish/DC/USEPA/US@EPA  
cc John Bazuin/DC/USEPA/US@EPA  
bcc  
Subject Re: Hydrogen Cyanamide reg review status 

Hi Tony,

I was out on Friday, but received your voicemail and email, and can update you on the status of hydrogen cyanamide (below). However, I also got a call from one of the registrants on Friday, Larry Miller from Biologic, and returned his call this morning (although, I had to leave a message for him). Perhaps this is the person that contacted you on Friday as well, so I can just discuss the data requirements with him.

Hydrogen cyanamide's summary document was completed and posted to the docket on December 19th, and is currently in its 90 day comment period. *At this point*, the only data we intend to require is Tier 2 vegetative vigor and seedling emergence studies that EFED believes have already been conducted and just need to be submitted to the Agency. This is why there is only one year provided for data submission instead of 2 years. Please let me know if you have any other questions on this.

And for the petition to stop registration of 83991-G, thanks for keeping me posted. I can update the team on cyanamide at that meeting if you'd like, but not too much is going on since the comment period is open until mid next month.

Regards,  
Dana

Dana Friedman, Chemical Review Manager  
US Environmental Protection Agency  
Office of Pesticide Programs  
Special Review and Reregistration Division  
(p) 703/347-8827  
(f) 703/308-7070  
Tony Kish/DC/USEPA/US



Tony Kish/DC/USEPA/US  
01/31/2008 06:45 PM

To Dana Friedman/DC/USEPA/US@EPA  
cc John Bazuin/DC/USEPA/US@EPA  
Subject Hydrogen Cyanamide reg review status

Hi Dana -- I just left you a VM. What is the status of this case. I have a registrant wanting to know what new data we will be requiring. Do you know this? We also received a petition to stop registration of the pending hydrogen cyanamide product 83991-G and need to meet with the team to discuss data requirements.

Thanks,  
Tony Kish, Product Manager,  
Team 22, Fungicide Branch;  
Registration Division  
703-308-9443

200





Tony Kish/DC/USEPA/US  
01/31/2008 06:45 PM

To Dana Friedman/DC/USEPA/US@EPA

cc John Bazuin/DC/USEPA/US@EPA

bcc

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Tony Kish, Product Manager,  
Team 22, Fungicide Branch;  
Registration Division  
703-308-9443



Tony Kish/DC/USEPA/US  
02/04/2008 01:03 PM

To Dana Friedman/DC/USEPA/US@EPA  
cc John Bazuin/DC/USEPA/US@EPA  
bcc

Subject Re: Hydrogen Cyanamide reg review status



Dana  
Friedman/DC/USEPA/US  
02/04/2008 11:25 AM

To Tony Kish/DC/USEPA/US@EPA  
cc John Bazuin/DC/USEPA/US@EPA  
Subject Re: Hydrogen Cyanamide reg review status

Hi Tony,

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Regards,  
Dana

202

\*Internal deliberative information

Dana Friedman, Chemical Review Manager  
US Environmental Protection Agency  
Office of Pesticide Programs  
Special Review and Reregistration Division  
(p) 703/347-8827  
(f) 703/308-7070  
Tony Kish/DC/USEPA/US



Tony Kish/DC/USEPA/US  
01/31/2008 06:45 PM

To Dana Friedman/DC/USEPA/US@EPA  
cc John Bazuin/DC/USEPA/US@EPA  
Subject Hydrogen Cyanamide reg review status

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Thanks,  
Tony Kish, Product Manager,  
Team 22, Fungicide Branch;  
Registration Division  
703-308-9443



Matthew Brooks  
<mwbrooks01@yahoo.com>  
02/26/2008 11:49 PM

To John Bazuin/DC/USEPA/US@EPA, Tony  
Kish/DC/USEPA/US@EPA

cc

bcc

Subject Dormex Registration

Hi John

We have to register Dormex by Friday- Let's talk  
tomorrow(wednesday) about the matrix so I can get a  
correct one to you on Thursday and finish this. We  
will cite whatever we need to.

Sincerely  
Matt Brooks

Matthew Brooks, Ph.D.  
703-266-0128 Phone  
703-266-4377 Fax  
mwbrooks01@yahoo.com

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Matthew Brooks  
<mwbrooks01@yahoo.com>  
02/15/2008 01:27 PM

To John Bazuin/DC/USEPA/US@EPA  
cc  
bcc  
Subject Duomax

Hi John

Can we finish this next week?  
-matt

Matthew Brooks, Ph.D.  
703-266-0128 Phone  
703-266-4377 Fax  
mwbrooks01@yahoo.com

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**Recommendation of Division Directors  
Negotiated Due Dates**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------|
| <b>Decision#:</b> D379325                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>File Symbol:</b> 84374-R               | <b>Petition #:</b> N/A                             |
| <b>Fee Category:</b> R31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>PRIA Decision Time Frame:</b> 6 months |                                                    |
| <b>Submitted by:</b> John Bazuin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Branch:</b> RD/FB                      | <b>Date:</b> 2/28/2008                             |
| <b>Company:</b> Green Trees and Plants, LLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                                    |
| <b>Original Due Date:</b> 1/27/2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Proposed New Due Date:</b> 3/28/2008   |                                                    |
| <b>Previous Negotiated Due Dates:</b> 2/29/2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |                                                    |
| <b>Is the "Fix" In-house?</b> Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           | <b>If Not, Date "Fix" Expected:</b> Not applicable |
| <p><b>Issue (describe in detail):</b> The registrant is using the Selective method of data compensation but their Data Matrix lists only old, noncompensable studies. Newer studies that have been required by the Agency should also be present on the matrix and some older, compensable and noncompensable studies may also need to be added. In addition, on Jan. 17, 2008 an agent for the principal Hydrogen Cyanamide company, AlzChem Trostberg GmbH, petitioned the Agency to cancel or deny the registration of the subject product on the grounds that Green Trees and Plants had not approached them with an offer to pay for a number of both newer and older studies (all specifically listed in the petition). Green Trees and Plants therefore requested an extension of the PRIA Due Date until the end of February 2008 to allow time for the data compensation issues to be worked out. However, near the end of February a few study-specific data compensation issues are still not fully resolved and Michele Knorr in the Office of General Council has informed Fungicide Branch that she will require more time to harmonize her response to the above AlzChem Trostberg GmbH petition with our registration of the subject product (assuming, as seems likely, that the last data compensation issues can be worked out). The few remaining study-specific data compensation issues have to do with whether several worker exposure studies were required by the Agency as opposed to some other entity (California, in this case), and whether several of the studies were acceptable or not. Green Trees and Plants believes that they should not have to pay for studies that were not required and/or that were not accepted by the Agency, so has requested further research on our part.</p> |                                           |                                                    |
| <p><b>Summary of Deficiency Type(s):</b> Other: Selective data compensation but a Data Matrix that is missing studies which may be required; harmonization of the Office of General Council response to a cancel/deny registration petition concerning the subject product with registration of the product.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |                                                    |
| <p><b>Describe Interactions With the Company (describe when contacted and company's response including response to previous negotiated due dates):</b> The registrant's agent was contacted on Jan. 17, 2008 concerning the data compensation problems and possible resolutions of them. At that time he indicated a willingness to extend the PRIA Due Date to Feb. 29, 2008, if this was acceptable to his client. On the same day Wiley Rein LLP, the attorney for AlzChem Trostberg GmbH, filed a Petition to Cancel or Deny the registration of 84374-R with the Agency and the agent for Green Trees and Plants. This petition was also discussed with Green Trees and Plants' agent on Jan. 17. On Jan. 22, 2008 the agent for Green Trees and Plants requested the agreed-upon extension and had the company do the same. On Feb. 27, 2008 the registrant's agent was contacted about the remaining data compensation issues. On Feb. 28, 2008 the registrant's agent was additionally informed of the need to coordinate the response to the cancel/deny registration petition with registration of the product. At that time the registrant's agent requested that the Agency further research the requirement background and acceptability of several specific studies and also verbally agreed to an additional, 30-day extension of the PRIA Due Date.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                                    |
| <p><b>Was a "75-day Letter" Sent?</b> Yes, a 75-day letter was sent on Jan. 25, 2008</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                                    |

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***Rationale for Proposed Due Date:*** To allow adequate time for the Agency to resolve remaining data compensation issues for a few specific studies that may or may not need to be added to the Data Matrix for 84374-R and then complete the registration in harmony with the Office of General Council's response to the AlzChem Trostberg GmbH Petition to Deny or Cancel this registration.

***Registrant Notified That This is the Last Negotiation?*** Not Applicable

***Approve:***

***Disapprove:***

***If Disapproved, Action to be Taken:***

***OD or DOD Signature:***

***Date:***

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Pages 208 through 210 are not included in this copy.

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The material not included contains the following type of information:

- ☐ Identity of product inert ingredients.
  - ☐ Identity of product impurities.
  - ☐ Description of the product manufacturing process.
  - ☐ Description of quality control procedures.
  - ☐ Identity of the source of product ingredients.
  - ☐ Sales or other commercial/financial information.
  - ☐ A draft product label.
  - ☐ The product confidential statement of formula.
  - ☐ Information about a pending registration action.
  - ☐ FIFRA registration data.
  - ☐ The document is a duplicate of page(s) \_\_\_\_\_.
  - ☐ The document is not responsive to the request.
  - ☒ Internal deliberative information.
  - ☐ Attorney-client communication.
  - ☐ Claimed confidential by submitter upon submission to the Agency.
  - ☐ Personal privacy Information
- 

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.



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Pages 213 through 217 are not included in this copy.

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Pages 218 through 222 are not included in this copy.

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\_\_\_\_\_ A draft product label.

☒ The product confidential statement of formula.

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\_\_\_\_\_ FIFRA registration data.

\_\_\_\_\_ The document is a duplicate of page(s) \_\_\_\_\_.

\_\_\_\_\_ The document is not responsive to the request.

\_\_\_\_\_ Internal deliberative information.

\_\_\_\_\_ Attorney-Client work product.

\_\_\_\_\_ Claimed Confidential by submitter upon submission to the Agency.

===== Personal Privacy Information

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